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- Chmielewicz S (*see* Dickinson et al). 1990;163:1831-5
- Choi C-HM, Pritchard JR. Large cystic granulosa cell tumor: case report. 1990;163:74-6
- Christian SS, Brady K, Read JA, Kopelman JN. Vaginal breech delivery: a five-year prospective evaluation of a protocol using computed tomographic pelvimetry. 1990;163:848-55
- Christmas JT (*see* Brown et al). 1990;163:938-43
- Chuganji Y (*see* Koike et al). 1990;163:696 (Letter)
- Chuong CJ, Dawson EB, Smith ER. Vitamin E levels in premenstrual syndrome. 1990;163:1591-5
- Cibils LA (*see* Lenox et al). 1990;163:1173-9
- Clapp JF III. The course of labor after endurance exercise during pregnancy. 1990;163:1799-805
- , Capeless EL. Neonatal morphometrics after endurance exercise during pregnancy. 1990;163:1805-11
- Clark KE (*see* Irion and Clark). 1990;163:222-9
- Clark MR (*see* Van Voorhis et al). 1990;163:57-62
- Clark RB. Definition of fetal asphyxia. 1990;163:1364 (Letter)
- , Quirk JG. What is birth asphyxia? 1990;163:1367-8 (Letter)
- Clarke-Pearson DL (*see* Hunter et al). 1990;163:1164-7
- (*see* Soper et al). 1990;163:1204-9
- Clarkson TB (*see* Adams et al). 1990;163:1388-92 (Symposium)
- Clewell WH (*see* Urig et al). 1990;163:1522-6

- Clore JN (*see* Nestler et al). 1990;163:1243-6
Cloud GA (*see* Brumfield et al). 1990;163:903-6
Clouston WM (*see* Yap et al). 1990;163:477-8
Cobb M (*see* Chilukuri et al). 1990;163:1201-2
Cohen GR (*see* Thorp et al). 1990;163:607-9
Cohen J (*see* Burkett et al). 1990;163:40-1
— (*see* Meizner et al). 1990;163:267-8 (Letter)
Cohen M (*see* Petrikovsky et al). 1990;163:253 (Letter reply)
Cohen WR (*see* Chazotte and Cohen). 1990;163:738-42
— (*see* Chazotte et al). 1990;163:1180-1
Colditz GA (*see* Stampfer et al). 1990;163:285-91 (Symposium)
Collins JL (*see* Mutch et al). 1990;163:1920-4
Colvin EV (*see* Hankins et al). 1990;163:728-32
Combs CA, Robertson PA, Laros RK Jr. Risk factors for third-degree and fourth-degree perineal lacerations in forceps and vacuum deliveries. 1990;163:100-4
Condie RG (*see* George et al). 1990;163:1203-4
Conklin KA. Can anesthetic-related maternal mortality be reduced? 1990;163:253-4 (Letter)
Connor JM (*see* Cameron et al). 1990;163:931-4
Connor RE (*see* Smith et al). 1990;163:845-7
Constantine G (*see* George et al). 1990;163:1203-4
Cook EJ (*see* Macri et al). 1990;163:1248-53
— (*see* Macri et al). 1990;163:1373-4 (Letter reply)
Cooper D (*see* Studd et al). 1990;163:1474-9
Copel JA, Schlafer D, Wentworth R, Belanger K, Kreitzer L, Hobbins JC, Nathanielsz PW. Does the umbilical artery systolic/diastolic ratio reflect flow or acidosis? 1990;163:751-6
Coppa G (*see* Esposito et al). 1990;163:572-4
Copper RL (*see* Owen et al). 1990;163:868-72
— (*see* Owen et al). 1990;163:873-9
Correl S (*see* Cabrol et al). 1990;163:540-2
Corso P (*see* Burke et al). 1990;163:17-8
Corson SL. Sapphire probes in obstetric laser surgery. 1990;163:246-7 (Letter)
Cotton DB (*see* Smith et al). 1990;163:98-9
Coupland RE (*see* Johnson et al). 1990;163:601-7
Coustan DR (*see* Carr et al). 1990;163:719-22
— (*see* Ojomo and Coustan). 1990;163:954-7
Covino JM, McCormack WM. Vulvar ulcer of unknown etiology in a human immunodeficiency virus-infected woman: response to treatment with zidovudine. 1990;163:116-8
Cox K (*see* Brown et al). 1990;163:1853-61
Cox SM, Sherman ML, Leveno KJ. Randomized investigation of magnesium sulfate for prevention of preterm birth. 1990;163:767-72
— (*see* Cunningham et al). 1990;163:453-9
Coxon RJ (*see* Johnson et al). 1990;163:601-7
Crade M (*see* Harding et al). 1990;163:1568-8
— (*see* Mills et al). 1990;163:1568-74
Cramer D (*see* Ewigman et al). 1990;163:256-7 (Letter)
Crandell SS (*see* Roth et al). 1990;163:1828-30
Crane JP (*see* Ewigman et al). 1990;163:256-7 (Letter)
Creighton KA (*see* Branch et al). 1990;163:210-6
— (*see* Dudley et al). 1990;163:1890-3
Cronje H (*see* Cabrol et al). 1990;163:540-2
Crook D (*see* Goddard et al). 1990;163:348-53 (Symposium)
Cross RW. Breast diagnostics in clinical gynecology. 1990;163:686 (Letter)
Crosson JT (*see* Dayton et al). 1990;163:63-4
Crowley WF, Whitcomb RW. Gonadotropin-releasing hormone deficiency in men: diagnosis and treatment with exogenous gonadotropin-releasing hormone. 1990;163:1752-8 (Symposium)
Cruikshank SH (*see* Dayton et al). 1990;163:63-4

- Cruz ML (*see* Stamler et al). 1990;163:1217-21
Cuckle HS (*see* Haddow et al). 1990;163:1372 (Letter)
Cullen JBH (*see* Sherer et al). 1990;163:1092 (Letter reply)
Cullen MT, Green J, Whetham J, Salafia C, Gabrielli S, Hobbins JC. Transvaginal ultrasonographic detection of congenital anomalies in the first trimester. 1990;163:466-76
— (*see* Reece et al). 1990;163:162-9 (Curr. dev.)
Cummings SR (*see* Cauley et al). 1990;163:1438-44
Cumiskey KC, Dawood MY. Induction of labor with pulsatile oxytocin. 1990;163:1868-74
Cunningham FG, Cox SM, Harstad TW, Mason RA, Pritchard JA. Chronic renal disease and pregnancy outcome. 1990;163:453-9
— (*see* Yeomans et al). 1990;163:958-64
Curet LB (*see* Izquierdo et al). 1990;163:584-7
Curiel P, Spinelli G, Petrella A, Gori A, De Maria R, Bonacina E, Gronda E. Postpartum coronary artery dissection followed by heart transplantation. 1990;163:538-9
Cuthrell WV, Rose JC, Meis PJ. The effect of adrenocorticotrophic hormone infusion on subsequent pituitary response in the sheep fetus. 1990;163:170-4

D

- d'Ablaing G (*see* Levin et al). 1990;163:543-4
Dallaire L (*see* Marquette et al). 1990;163:1604-5
Dalton KJ (*see* Mooney et al). 1990;163:30-6
D'Alton ME (*see* Garner et al). 1990;163:505-8
Daly L, Bonnar J. Comparative studies of 30 [mu]g ethinyl estradiol combined with gestodene and desogestrel on blood coagulation, fibrinolysis, and platelets. 1990;163:430-7 (Symposium)
— (*see* Hunter et al). 1990;163:1164-7
Damewood M (*see* Xu et al). 1990;163:1493-7
Damm P, Mølsted-Pedersen L. Ascertainment bias in diabetic outcome data. 1990;163:682-3 (Letter reply)
Damsbo P (*see* Beck-Nielsen et al). 1990;163:292-5 (Symposium)
Daniell JF (*see* Baggish and Daniell). 1990;163:247 (Letter reply)
Daru J, Mathur S. A comparison of sperm antibody assays. 1990;163:1622-9
David JL, Gaspard UJ, Gillain D, Raskinet R, Lepot MR. Hemostasis profile in women taking low-dose oral contraceptives. 1990;163:420-3 (Symposium)
Davidson S (*see* FitzSimmons and Davidson). 1990;163:682 (Letter)
Davies BW (*see* Cederna et al). 1990;163:138-9
Davis RO (*see* Brumfield et al). 1990;163:903-6
— (*see* Owen et al). 1990;163:868-72
— (*see* Owen et al). 1990;163:873-9
Dawood MY (*see* Cumiskey and Dawood). 1990;163:1868-74
— (*see* Hecht et al). 1990;163:1986-91
Dawson EB (*see* Chuong et al). 1990;163:1591-5
Daynes RA (*see* Branch et al). 1990;163:210-6
Dayton VD, Anderson DS, Crosson JT, Cruikshank SH. A case of Rh isoimmunization: Should threatened first-trimester abortion be an indication for Rh immune globulin prophylaxis? 1990;163:63-4
Dean DD (*see* Rajabi et al). 1990;163:499-503
Dear C (*see* Devoe et al). 1990;163:1040-8
de Boer R (*see* Gevers Leuven et al). 1990;163:358-62 (Symposium)
— (*see* Gevers Leuven et al). 1990;163:1410-3 (Symposium)
DeBruyn CS (*see* Pollack et al). 1990;163:787-94

- deCataldo F (see Baudo et al). 1990;163:1274-5
- de Catte L (see Foulon et al). 1990;163:1511-3
- DeCherney AH (see Grifo et al). 1990;163:2013-9
- Degani S. Fetal Doppler velocimetry in twins. 1990;163:1100-1 (Letter)
- Delgado G (see Lewandowski et al). 1990;163:1333-7
- Delke I (see Minkoff et al). 1990;163:521-6
- De Maria R (see Curiel et al). 1990;163:538-9
- Demers LM (see Wild et al). 1990;163:1998-2005
- Dempsey LM (see Martin et al). 1990;163:1209-16
- Dennis J, Johnson A, Mutch L, Yudkin P, Johnson P. Cerebral palsy and intrapartum fetal acidemia. 1990;163:267 (Letter reply)
- de Onis M (see Villar et al). 1990;163:151-7
- de Pasquale R (see Lucifora et al). 1990;163:235-9
- De Ramundo B (see Petraglia et al). 1990;163:1307-12
- Dersjant-Roorda MC (see Gevers Leuven et al). 1990;163:358-62 (Symposium)
- (see Gevers Leuven et al). 1990;163:1410-3 (Symposium)
- Desjardines P (see George et al). 1990;163:1203-4
- Desjardis D (see Hoegsberg et al). 1990;163:1135-9
- Desrochers M (see Marquette et al). 1990;163:1604-5
- Devaskar S, McMenamy K, Holtzclaw L, Sadiq F. Long-term maternal-fetal exposure to high-low insulin concentrations alter liver but not brain insulin receptors. 1990;163:1350-6
- Devoe LD, Gardner P, Dear C, Castillo RA. The diagnostic values of concurrent nonstress testing, amniotic fluid measurement, and Doppler velocimetry in screening a general high-risk population. 1990;163:1040-8
- , Murray C, Faircloth D, Ramos E. Vibroacoustic stimulation and fetal behavioral state in normal term human pregnancy. 1990;163:1156-61
- Diamond MP (see Romero et al). 1990;163:968-74
- Diaz F (see Kjos et al). 1990;163:898-903
- Dickinson JE, Meyer BA, Brath PC, Chmielowiec S, Walsh SW, Parisi VM, Palmer SM. Placental thromboxane and prostacyclin production in an ovine diabetic model. 1990;163:1831-5
- Dickson KA (see Harding et al). 1990;163:1904-13
- Dietl J, Lippert TH. Critical comments on the treatment of tubal pregnancy with prostaglandins. 1990;163:707 (Letter)
- Digre KB, Varner MW, Schiffman JS. Neuroophthalmologic effects of intravenous magnesium sulfate. 1990;163:1848-52
- Dilks SA (see Hogge et al). 1990;163:1061-5
- Dillon HC (see Silver et al). 1990;163:19-25
- Dimitry ES, Oskarsson T, Margara R, Winston RML. Heterotopic pregnancy associated with assisted reproductive technology. 1990;163:244-5 (Letter)
- DiSciullo AJ (see Korn et al). 1990;163:596-8
- Divers MJ. Ketoconazole treatment of Cushing's syndrome in pregnancy. 1990;163:1101 (Letter)
- Divon MY. Fetal Doppler velocimetry in twins. 1990;163:1101 (Letter reply)
- Dodd GD, McLelland R. Breast disease programs and mammography training. 1990;163:689-90 (Letter)
- Dodds WG (see Goldberg et al). 1990;163:65-8
- Dodson MG (see Juneja and Dodson). 1990;163:216-21
- (see Roudebush et al). 1990;163:1670-3
- Doellgast GJ (see Kutteh et al). 1990;163:1301-6
- Dombroski RA, Woodard DS, Harper MJK, Gibbs RS. A rabbit model for bacteria-induced preterm pregnancy loss. 1990;163:1938-43
- Domisse J. Phenytin and magnesium sulfate in eclampsia. 1990;163:1089-90 (Letter)
- Dooley SL (see Keller et al). 1990;163:893-7
- (see Utter et al). 1990;163:882-6
- (see Utter et al). 1990;163:1781-4
- Dorche C (see George et al). 1990;163:1203-4
- Dorchester W (see Asrat et al). 1990;163:887-9
- (see Mills et al). 1990;163:1568-74
- Dostal-Johnson D (see Rote et al). 1990;163:575-84
- Douglas FL (see Cardin et al). 1990;163:1345-9
- Douvan S (see Kjos et al). 1990;163:1822-7
- Downing JW, Knape KG. Labor epidural analgesia and dystocia-related cesarean section. 1990;163:1096-7 (Letter)
- Drake RF (see Yap et al). 1990;163:477-8
- Droste S, FitzSimmons J, Pascoe-Mason J, Shepard TH. Growth of linear parameters in trisomy 18 fetuses. 1990;163:158-61
- Drugan A (see Johnson et al). 1990;163:1505-10
- Druzin ML (see August et al). 1990;163:1612-21
- Dubois C (see Cabrol et al). 1990;163:540-2
- Dudley AG (see Wiskind et al). 1990;163:1674-8
- Dudley DJ, Mitchell MD, Creighton K, Branch DW. Lymphokine production during term human pregnancy: differences between peripheral leukocytes and decidual cells. 1990;163:1890-3
- (see Branch et al). 1990;163:210-6
- Dudley DK (see Garner et al). 1990;163:505-8
- Duffer J (see Bourgeois and Duffer). 1990;163:1065-73
- Dungan JS (see Hogge et al). 1990;163:1061-5
- Dunn LK. Fetal heart rate monitoring during cesarean section. 1990;163:253 (Letter)
- Dupont P, Irion O, Béguin F. Pregnancy in a patient with treated Wilson's disease: a case report. 1990;163:1527-8
- Durukan T, Urman B, Yarli H, Arikian Ü, Beykal Ö. An abdominal pregnancy 10 years after treatment for pelvic tuberculosis. 1990;163:594-5
- Düsterberg B, Brill K. Clinical acceptability of monophasic gestodene. 1990;163:1398-403 (Symposium)
- Dyer DC (see Isla and Dyer). 1990;163:1337-44
- Dyson DC (see Ferguson et al). 1990;163:105-11

E

- Easterling TR, Benedetti TJ. Measurement of cardiac output by impedance technique. 1990;163:1104-6 (Letter)
- Edersheim TG (see August et al). 1990;163:1612-21
- Egarter Ch. The complex nature of egg transport through the oviduct. 1990;163:687 (Letter)
- , Husslein P. Critical comments on the treatment of tubal pregnancy with prostaglandins. 1990;163:707-8 (Letter reply)
- , —, Rayburn WF. Uterine hyperstimulation after low-dose prostaglandin E₂ therapy: tocolytic treatment in 181 cases. 1990;163:794-6
- Egerman RS (see Johnson et al). 1990;163:1024-32
- Eierman D (see Kauma et al). 1990;163:1430-7
- Eigenbrodt EH (see Yeomans et al). 1990;163:958-64
- Elbourne D, Grant A. Study results vary in count-to-10 method of fetal movement screening. 1990;163:264 (Letter)
- Elder MG (see Bennett et al). 1990;163:241-2 (Letter)
- Elias AN, Varizi ND. Plasma atrial arginine vasopressin levels vary little between preeclamptic and control patients. 1990;163:245 (Letter)
- Elias S (see Shulman et al). 1990;163:1606-9
- Ellington JR Jr (see Orr et al). 1990;163:1485-9
- Elliot DL. Use of the T-ACE questions to detect risk-drinking. 1990;163:684 (Letter)
- Elliott JP (see Mills et al). 1990;163:1568-74

- (see *Urig et al.*). 1990;163:1522-6
- Emert MP (see *Mader et al.*). 1990;163:1578-9
- Erkkola RU (see *Mäkinen et al.*). 1990;163:266 (Letter reply)
- Ernest JM, Givner LB, Pool R. Intrapartum hepatitis B screening in a low-risk population. 1990;163:978-80
- Ervin MG (see *Cardin et al.*). 1990;163:1345-9
- Escamilla JO. Use of midforceps applauded. 1990;163:2027 (Letter)
- Eschenbach DA (see *Harger et al.*). 1990;163:130-7
- Esposito RA, Grossi EA, Coppa G, Giangola G, Ferri DP, Angelides EM, Andriakos P. Successful treatment of postpartum shock caused by amniotic fluid embolism with cardiopulmonary bypass and pulmonary artery thromboembolism. 1990;163:572-4
- Estañ L (see *Martinez-Mir et al.*). 1990;163:189-95
- Evans AT (see *Gillogley et al.*). 1990;163:1535-42
- Evans MI (see *Johnson et al.*). 1990;163:1505-10
- Evans WS (see *Sollenberger et al.*). 1990;163:1529-34
- Ewigman B, LeFevre M, Bain RP, Crane JP, Frigoletto F, Cramer D, McNellis D. Ethics and routine ultrasonography in pregnancy. 1990;163:256-7 (Letter)
- F**
- Faircloth D (see *Devoe et al.*). 1990;163:1156-61
- Fairlie FM (see *Moretti et al.*). 1990;163:1844-8
- (see *Sibai et al.*). 1990;163:733-8
- Falciglia HS. Amnioinfusion and prevention of meconium aspiration syndrome. 1990;163:258-9 (Letter)
- , Is meconium aspiration an intrauterine event? 1990;163:250 (Letter)
- Faleschini E (see *Rovati et al.*). 1990;163:1490-2
- Fallenstein F (see *Spätling and Fallenstein*). 1990;163:240-1 (Letter)
- Farkas SA (see *Cederna et al.*). 1990;163:138-9
- Faro S (see *Martens and Faro*). 1990;163:251 (Letter)
- Farrell M (see *Lewandowski et al.*). 1990;163:1333-7
- Favretti L (see *Puppa et al.*). 1990;163:701-2 (Letter)
- Federici MG (see *Rubin et al.*). 1990;163:69-73
- Feichtinger W. Prolongation of pregnancy and survival of second twin. 1990;163:270-1 (Letter reply)
- Feldman J (see *Hoegsberg et al.*). 1990;163:1135-9
- (see *Minkoff et al.*). 1990;163:521-6
- Feldman N, Skoll A, Sibai B. The incidence of significant fetomaternal hemorrhage in patients undergoing cesarean section. 1990;163:855-8
- Ferency A, Bergeron C, Richart RM. Carbon dioxide laser energy disperses human papillomavirus deoxyribonucleic acid onto treatment fields. 1990;163:1271-4
- Ferguson JE (see *Hogge et al.*). 1990;163:1061-5
- Ferguson JE II, Dyson DC, Schutz T, Stevenson DK. A comparison of tocolysis with nifedipine or ritodrine: analysis of efficacy and maternal, fetal, and neonatal outcome. 1990;163:105-11
- , Vick DJ, Hogge JS, Hogge WA. Transcervical chorionic villus sampling and amniocentesis: a comparison of reliability, culture findings, and fetal outcome. 1990;163:926-31
- Ferguson JF II (see *Hogge et al.*). 1990;163:698 (Letter reply)
- Ferguson R, Myers SA. The effect of race on the relationship between fetal death and altered fetal growth. 1990;163:1222-30
- Ferrari P (see *Filicori et al.*). 1990;163:1737-42 (Symposium)
- Ferri DP (see *Esposito et al.*). 1990;163:572-4
- Fertel RH (see *Kniss et al.*). 1990;163:1883-90
- Fields M (see *Fuchs et al.*). 1990;163:1961-7

- Figuerola JP, Barbera M, Honnebiel OM, Jenkins S, Nathanielsz PW. Alteration of 24-hour rhythms in myometrial activity in the chronically catheterized pregnant rhesus monkey after a 6-hour shift in the light-dark cycle. 1990;163:648-54
- Filicori M, Flamigni C, Campaniello E, Meriggiola MC, Michiacci L, Valdiserri A, Ferrari P. Polycystic ovary syndrome: abnormalities and management with pulsatile gonadotropin-releasing hormone and gonadotropin-releasing hormone analogs. 1990;163:1737-42 (Symposium)
- Fink DJ (see *Matera et al.*). 1990;163:797-801
- Finley SC (see *Brumfield et al.*). 1990;163:903-6
- Finstad CL (see *Rubin et al.*). 1990;163:69-73
- Fiorica JV (see *Cavanagh et al.*). 1990;163:1007-15
- (see *LaPolla et al.*). 1990;163:1055-60
- Fischer E (see *Grifo et al.*). 1990;163:2013-9
- Fisher DJ (see *Moise et al.*). 1990;163:776-84
- Fisk NM (see *Nicolini et al.*). 1990;163:1104 (Letter reply)
- (see *Nicolini et al.*). 1990;163:1144-6
- Fitzpatrick RJ (see *Owiny and Fitzpatrick*). 1990;163:657-60
- FitzSimmons J, Davidson S. Ascertainment bias in diabetic outcome data. 1990;163:682 (Letter)
- (see *Droste et al.*). 1990;163:158-61
- Flamigni C (see *Filicori et al.*). 1990;163:1737-42 (Symposium)
- Flamm BL. Vaginal birth after cesarean section: an appraisal of the reappraisal. 1990;163:691 (Letter)
- Fliegner JR, Garland SM. Perinatal mortality in Victoria, Australia: role of group B streptococcus. 1990;163:1609-11
- Flor S (see *McGuire et al.*). 1990;163:2127-31 (Symposium)
- Flouret G (see *Wilson et al.*). 1990;163:195-202
- (see *Wilson et al.*). 1990;163:1875-82
- Flu PK (see *Akkersdijk et al.*). 1990;163:591-3
- Fogelman I (see *Studd et al.*). 1990;163:1474-9
- Fong K, Ohlsson A, Zalev A. Fetal thoracic circumference: a prospective cross-sectional study with real-time ultrasound (1988;158:1154-60). 1990;163:1363 (Correction)
- Foreman F (see *Benzaquen et al.*). 1990;163:484-90
- Forman A (see *Skajaa et al.*). 1990;163:1323-33
- Fossum G (see *Shoupe et al.*). 1990;163:1982-5
- Fotherby K. Interactions with oral contraceptives. 1990;163:2153-9 (Symposium)
- , Pharmacokinetics of gestagens: some problems. 1990;163:323-8 (Symposium)
- Foulon W, Naessens A, de Catte L, Amy J-J. Detection of congenital toxoplasmosis by chorionic villus sampling and early amniocentesis. 1990;163:1511-3
- Fox HE (see *Berkowitz et al.*). 1990;163:975-7
- (see *Matera et al.*). 1990;163:797-801
- Franco-Buff A (see *McGregor et al.*). 1990;163:1465-73
- Franks AL, Beral V, Cates W Jr, Hogue CJR. Contraception and ectopic pregnancy risk. 1990;163:1120-3
- (see *Saftlas et al.*). 1990;163:460-5
- Fredstrom GR (see *Smith et al.*). 1990;163:845-7
- Freedman WL (see *Stark et al.*). 1990;163:818-23
- Freinkel N (see *Keller et al.*). 1990;163:893-7
- (see *Martin et al.*). 1990;163:1209-16
- (see *Rizzo et al.*). 1990;163:1458-64
- French JI (see *McGregor et al.*). 1990;163:1465-73
- (see *McGregor et al.*). 1990;163:1580-91
- Frieden FJ, Ordorica SA, Hoskins IA, Young BK. The Shirodkar operation: a reappraisal. 1990;163:830-3
- (see *Hoskins et al.*). 1990;163:1944-7
- Friedman AJ, Lobel SM, Rein MS, Barbieri RL. Efficacy and safety considerations in women with uterine leiomyomas treated with gonadotropin-releasing hormone agonists: the

- estrogen threshold hypothesis. 1990;163:1114-9 (Clin. opinion)
- Friedman CI (see Goldberg et al). 1990;163:65-8
- Friedman JM (see Gilchrist et al). 1990;163:692-3 (Letter)
- Friedman RL (see Kjos et al). 1990;163:1822-7
- Friedman WW (see Towers et al). 1990;163:965-7
- Frigoletto F (see Ewigman et al). 1990;163:256-7 (Letter)
- Frohlich EP. Combination therapy has potential complications. 1990;163:244 (Letter)
- Fuchs A-R, Behrens O, Helmer H, Vangsted A, Ivanisevic M, Grifo J, Fields M, Barros C. Oxytocin and vasopressin binding sites in human and bovine ovaries. 1990;163:1961-7
- Fujimoto S (see Koga et al). 1990;163:1543-5
- G
- Gabbe SG (see Kniss et al). 1990;163:1883-90
- Gabrielli S (see Cullen et al). 1990;163:466-76
- (see Reece et al). 1990;163:162-9 (Curr. dev.)
- Gagnon R, Hunse C, Vujan S. The effect of maternal hyperoxia on behavioral activity in growth-retarded human fetuses. 1990;163:1894-9
- (see Benzaquen et al). 1990;163:484-90
- Gail MH (see Minkoff et al). 1990;163:1598-604
- Gale S (see Moore et al). 1990;163:907-12
- Gall M (see Hume et al). 1990;163:826-9
- Gambone JC, Reiter RC, Lench JB, Moore JG. The impact of a quality assurance process on the frequency and confirmation rate of hysterectomy. 1990;163:545-50
- Gandell DL (see Sites et al). 1990;163:1630-1
- Gant NF (see Brown et al). 1990;163:1853-61
- Garat E (see Simon et al). 1990;163:382-7 (Symposium)
- Gardner P (see Devoe et al). 1990;163:1040-8
- Garite TJ (see Asrat et al). 1990;163:887-9
- (see Lewis et al). 1990;163:773-5
- (see Towers et al). 1990;163:965-7
- Garland SM (see Fliegner and Garland). 1990;163:1609-11
- Garner PR, D'Alton ME, Dudley DK, Huard P, Hardie M. Preeclampsia in diabetic pregnancies. 1990;163:505-8
- Garnett T (see Studd et al). 1990;163:1474-9
- Garnier P (see Simon et al). 1990;163:382-7 (Symposium)
- Garuti GC (see Petraglia et al). 1990;163:1307-12
- Gary GW Jr (see Rodis et al). 1990;163:1168-71
- Gaspard UJ, Lefebvre PJ. Clinical aspects of the relationship between oral contraceptives, abnormalities in carbohydrate metabolism, and the development of cardiovascular disease. 1990;163:334-43 (Symposium)
- (see David et al). 1990;163:420-3 (Symposium)
- (see Jandrain et al). 1990;163:378-81 (Symposium)
- Gast MJ (see Long et al). 1990;163:1976-81
- Gates HS Jr. Definition of primiparas. 1990;163:677 (Letter)
- Geisthövel F (see Breckwoldt et al). 1990;163:2213-6 (Symposium)
- Genazzani AR (see Petraglia et al). 1990;163:1307-12
- Gennser G (see Stale et al). 1990;163:26-9
- George R, Gray F, Green A, Basu SN, Constantine G, Condie RG, Dorche C, Vianey-Liaud C, Desjardes P. Antenatal diagnosis of molybdenum cofactor deficiency. 1990;163:1203-4
- Gevers Leuven JA, Dersjant-Roorda MC, Helmerhorst FM, de Boer R, Neymeyer-Leloux A, Havekes L. Estrogenic effect of gestodene or desogestrel-containing oral contraceptives on lipoprotein metabolism. 1990;163:358-62 (Symposium)
- , —, —, —, —, —. Effects of oral contraceptives on lipid metabolism. 1990;163:1410-3 (Symposium)
- Giangola G (see Esposito et al). 1990;163:572-4
- Giard RWM (see Akkersdijk et al). 1990;163:591-3
- Gibb D (see Jauniaux et al). 1990;163:1558-60
- Gibbs RS (see Dombroski et al). 1990;163:1938-43
- (see Harger et al). 1990;163:130-7
- (see Silver et al). 1990;163:19-25
- (see Stark et al). 1990;163:818-23
- Gifford RW Jr (see Lenfant et al). 1990;163:2113 (Symposium)
- Gilbert WM, Lafferty CM, Benirschke K, Resnik R. Lack of specific placental abnormality associated with cocaine use. 1990;163:998-9
- Gilchrist DM, Friedman JM, Wilson RD. Maternal serum α -fetoprotein in pregnancy. 1990;163:692-3 (Letter)
- Giles W, Trudinger B, Wilcox G. Discrepancies in hemoglobin levels. 1990;163:1713 (Letter)
- Gill TJ III (see Ho et al). 1990;163:178-88
- Gillain D (see David et al). 1990;163:420-3 (Symposium)
- Gillogley KM, Evans AT, Hansen RL, Samuels SJ, Batra KK. The perinatal impact of cocaine, amphetamine, and opiate use detected by universal intrapartum screening. 1990;163:1535-42
- Gilstrap LC III (see Harstad et al). 1990;163:912-6
- (see Roe et al). 1990;163:715-8
- Gimbel GL. Can shoulder dystocia be predicted? 1990;163:680 (Letter)
- , Colposcopy in diethylstilbestrol-exposed offspring. 1990;163:703 (Letter)
- Ginsberg N, Cadkin A, Pergament E, Verlinsky Y. Ultrasonographic detection of the second-trimester fetus with trisomy 18 and trisomy 21. 1990;163:1186-90
- Girz B (see Chazotte et al). 1990;163:1180-1
- Givner LB (see Ernest et al). 1990;163:978-80
- Glassman MB (see Lipper et al). 1990;163:146-50
- Gleicher N. Breast diagnostics in clinical gynecology. 1990;163:687 (Letter reply)
- , Breast disease programs and mammography training. 1990;163:690-1 (Letter reply)
- Glezerman M, Piura B, Insler V. Trend of cervical cancer in Jewish women. 1990;163:704 (Letter reply)
- Gocke SE (see Asrat et al). 1990;163:887-9
- Godsland IF, Crook D, Wynn V. Low-dose oral contraceptives and carbohydrate metabolism. 1990;163:348-53 (Symposium)
- Goedert JJ (see Minkoff et al). 1990;163:1598-604
- Golan A (see Langer et al). 1990;163:1139-41
- (see Raziel et al). 1990;163:1182-5
- Golbus J (see Silver et al). 1990;163:1914-9
- Golbus MS (see Pinckert et al). 1990;163:684 (Letter reply)
- Goldberg JM, Haering PL, Friedman CI, Dodds WG, Kim MH. Antisperm antibodies in women undergoing intrauterine insemination. 1990;163:65-8
- Goldbloom DS (see Stewart et al). 1990;163:1196-9
- Goldenberg RL (see Owen et al). 1990;163:868-72
- (see Owen et al). 1990;163:873-9
- Goldstein I, Wise GJ, Tancer ML. A vesicovaginal fistula and intravesical foreign body: a rare case of the neglected pessary. 1990;163:589-91
- , Zimmer EZ, Merzbach D, Peretz BA, Paldi E. Intraamniotic infection in the very early phase of the second trimester. 1990;163:1261-3
- Goldstein SR. Early pregnancy failure—appropriate terminology. 1990;163:1093 (Letter)
- , Vaginal probe ultrasonography and ectopic pregnancy. 1990;163:1099 (Letter)
- , Nachtigall M, Snyder JR, Nachtigall L. Endometrial as-

- assessment by vaginal ultrasonography before endometrial sampling in patients with postmenopausal bleeding. 1990;163:119-23
- Goldzicher JW. Selected aspects of the pharmacokinetics and metabolism of ethinyl estrogens and their clinical implications. 1990;163:318-22 (Symposium)
- , Brody SA. Pharmacokinetics of ethinyl estradiol and mestranol. 1990;163:2114-9 (Symposium)
- Gonnet JM (see Cabrol et al). 1990;163:540-2
- Gonsoulin W, Borge D, Moise KJ Jr. Rupture of unscarred uterus in primigravid woman in association with cocaine abuse. 1990;163:526-7
- , Mason B, Carpenter RJ Jr. Colon cancer in pregnancy with elevated maternal serum α -fetoprotein level at presentation. 1990;163:1172-3
- (see Smith et al). 1990;163:567-9
- Gonzalez P (see Nicolini et al). 1990;163:1144-6
- Goodlin RC. Cerebral palsy and intrapartum fetal acidemia. 1990;163:266-7 (Letter)
- , Digoxin-like immunoreactive factor and respiratory distress syndrome. 1990;163:1091 (Letter)
- , HELLP does not always mean immediate HELP! 1990;163:1089 (Letter)
- , Intracellular sodium levels in pregnant women with hypertension. 1990;163:261-2 (Letter)
- , Magnesium sulfate is not an ideal anticonvulsant. 1990;163:1714 (Letter)
- , Prolongation of pregnancy and survival of second twin. 1990;163:270 (Letter)
- Gori A (see Curiel et al). 1990;163:538-9
- Gorstein F (see Osteen et al). 1990;163:479-84
- Gouyon JB, Petion AM. Toxicity of vancomycin given during pregnancy. 1990;163:1375 (Letter)
- Gram J, Munkvad S, Jespersen J. Enhanced generation and resolution of fibrin in women above the age of 30 years using oral contraceptives low in estrogen. 1990;163:438-42 (Symposium)
- Grand BE (see Riveros et al). 1990;163:704-5 (Letter)
- Grant A (see Elbourne and Grant). 1990;163:264 (Letter)
- Gray BM (see Silver et al). 1990;163:19-25
- Gray F (see George et al). 1990;163:1203-4
- Greulich JP (see Hatjis et al). 1990;163:45-50
- Green A (see George et al). 1990;163:1203-4
- Green J (see Cullen et al). 1990;163:466-76
- Green JR, Pawson IG, Schumacher LB, Perry J, Kretchmer N. Glucose tolerance in pregnancy: ethnic variation and influence of body habitus. 1990;163:86-92
- Greenberg F (see Smith et al). 1990;163:567-9
- Greenspoon JS. Ultrasonographic guidance for central venous access. 1990;163:252 (Letter)
- (see Kjos et al). 1990;163:93-8
- Greisman B (see Wilansky and Greisman). 1990;163:263 (Letter reply)
- (see Wilansky and Greisman). 1990;163:697 (Letter reply)
- Grifo J (see Fuchs et al). 1990;163:1961-7
- Grifo JA, Boyle A, Fischer E, Lavy G, DeCherney AH, Ward DC, Sanyal MK. Preembryo biopsy and analysis of blastomeres by in situ hybridization. 1990;163:2013-9
- Grimes DA (see Levin et al). 1990;163:543-4
- Gronda E (see Curiel et al). 1990;163:538-9
- Grose C, Weiner CP. Prenatal diagnosis of congenital cytomegalovirus infection: two decades later. 1990;163:447-50 (Clin. opinion)
- (see Weiner and Grose). 1990;163:1253-5
- Gross KM (see Matsumoto et al). 1990;163:1743-51 (Symposium)
- Gross W (see Kuhl et al). 1990;163:363-9 (Symposium)
- Grossi EA (see Esposito et al). 1990;163:572-4
- Grover JL (see La Puma et al). 1990;163:680 (Letter reply)
- Guengerich FP. Inhibition of oral contraceptive steroid-metabolizing enzymes by steroids and drugs. 1990;163:2159-63 (Symposium)
- Guillebaud J. Oral contraceptives in risk groups: Exclusion or monitoring? 1990;163:443-6 (Symposium)
- Guillot M (see Cabrol et al). 1990;163:540-2
- Guy GP, Peisner DB, Timor-Tritsch IE. Ultrasonographic evaluation of uteroplacental blood flow patterns of abnormally located and adherent placentas. 1990;163:723-7
- ### H
- Haas ST. Caution in use of new test for ectopic pregnancy. 1990;163:694 (Letter)
- Haddow JE, Palomaki GE, Knight GJ, Canick JA, Wald NJ, Cuckle HS. Maternal serum unconjugated estriol levels are lower in the presence of fetal Down syndrome. 1990;163:1372 (Letter)
- (see Johnson et al). 1990;163:9-11
- Hadi HA, Albazzaz SJ. Effects of ritodrine tocolysis on cardiac isozymes and electrocardiography. 1990;163:700-1 (Letter reply)
- Haering PL (see Goldberg et al). 1990;163:65-8
- Hagay Z (see Romero et al). 1990;163:823-5
- Hahlin M (see Lindblom et al). 1990;163:260-1 (Letter reply)
- (see Lindblom et al). 1990;163:694-5 (Letter reply)
- Hahn D (see McGuire et al). 1990;163:2127-31 (Symposium)
- Hakes TB (see Rubin et al). 1990;163:69-73
- Halim MA (see Al Kasab et al). 1990;163:37-40
- Hambley H (see Blesing and Hambley). 1990;163:697 (Letter)
- Hammerstedt RH (see Vasquez et al). 1990;163:2006-12
- Hammerstein J. Prodrugs: Advantage or disadvantage? 1990;163:2198-203 (Symposium)
- Hammond EH (see Branch et al). 1990;163:210-6
- Hanaoka S (see Romero et al). 1990;163:968-74
- Handberg [oc]A (see Beck-Nielsen et al). 1990;163:292-5 (Symposium)
- Hanker JP. Gastrointestinal disease and oral contraception. 1990;163:2204-7 (Symposium)
- Hankins GDV, Lowery CL Jr, Scott RT, Morrow WR, Carey KD, Leland MM, Colvin EV. Transplacental transfer of zidovudine in the near-term pregnant baboon. 1990;163:728-32
- (see Strickland et al). 1990;163:4-8 (Clin. opinion)
- Hansen RL (see Gillogly et al). 1990;163:1535-42
- Harbert GM Jr (see Hogge et al). 1990;163:698 (Letter reply)
- Hardardottir H, Parmley TH II, Quirk JG Jr, Sanders MM, Miller FC, O'Brien TJ. Distribution of CA 125 in embryonic tissues and adult derivatives of the fetal periderm. 1990;163:1925-31
- Hardie M (see Garner et al). 1990;163:505-8
- Harding JA, Lewis D, Major C, Crade M, Patel J, Nageotte M. Color flow Doppler—a useful instrument in the diagnosis of vasa previa. 1990;163:1566-8
- Harding R, Hooper SB, Dickson KA. A mechanism leading to reduced lung expansion and lung hypoplasia in fetal sheep during oligohydramnios. 1990;163:1904-13
- Harger JH, Hsing AW, Toumala RE, Gibbs RS, Mead PB, Eschenbach DA, Knox GE, Polk BF. Risk factors for preterm premature rupture of fetal membranes: a multicenter case-control study. 1990;163:130-7

- Hargrove JT (*see* Osteen et al). 1990;163:479-84
- Harkavy KL. Mortality rates ignore population segment. 1990;163:269 (Letter)
- Harper MJK (*see* Dombroski et al). 1990;163:1938-43
- Harris EN (*see* Reece et al). 1990;163:162-9 (Curr. dev.)
- Harstad TW, Little BB, Bawdon RE, Knoll K, Roe D, Gilstrap LC III. Embryofetal effects of pentamidine isethionate administered to pregnant Sprague-Dawley rats. 1990;163:912-6
- (*see* Cunningham et al). 1990;163:453-9
- Hatcher R (*see* Rizzo et al). 1990;163:1458-64
- Hatjis CG, Kofinas AD, Greelish JP, Swain M, Rose JC. Interrelationship between atrial natriuretic factor concentrations and acute volume expansion in pregnant and non-pregnant women. 1990;163:45-50
- Hatori T (*see* Koga et al). 1990;163:1543-5
- Hauth JC (*see* Brumfield et al). 1990;163:903-6
- (*see* Owen et al). 1990;163:868-72
- Havekes LM (*see* Gevers Leuven et al). 1990;163:358-62 (Symposium)
- (*see* Gevers Leuven et al). 1990;163:1410-3 (Symposium)
- Hawkins RL (*see* Bamford et al). 1990;163:661-8
- Hayashi RH (*see* Andersen et al). 1990;163:859-67
- Hazzard W (*see* Wild et al). 1990;163:1998-2005
- Hecht BR, Bardawil WA, Khan-Dawood FS, Dawood MY. Luteal insufficiency: correlation between endometrial dating and integrated progesterone output in clomiphene citrate-induced cycles. 1990;163:1986-91
- Heidt F (*see* Kuhl et al). 1990;163:363-9 (Symposium)
- Heilbron DC (*see* Taylor et al). 1990;163:1839-44
- Heithecker R (*see* Hümpel et al). 1990;163:329-33 (Symposium)
- Helmer H (*see* Fuchs et al). 1990;163:1961-7
- Helmerhorst FM (*see* Gevers Leuven et al). 1990;163:358-62 (Symposium)
- (*see* Gevers Leuven et al). 1990;163:1410-3 (Symposium)
- Helmerhorst TJM. Colposcopy in diethylstilbestrol-exposed offspring. 1990;163:703 (Letter reply)
- Helmkamp BF, Krebs H-B. The Maylard incision in gynecologic cancer. 1990;163:1554-7
- Helms M (*see* Hunter et al). 1990;163:1164-7
- Henderson C (*see* Minkoff et al). 1990;163:1598-604
- Hendricks SK, Katz M. Effects of ritodrine tocolysis on cardiac isozymes and electrocardiography. 1990;163:699-700 (Letter)
- Hendrix PV (*see* Lazebnik et al). 1990;163:78-80
- Hennekens CH (*see* Stampfer et al). 1990;163:285-91 (Symposium)
- Henriksen JE (*see* Beck-Nielsen et al). 1990;163:292-5 (Symposium)
- Hertzberg BS (*see* Hume et al). 1990;163:826-9
- Hetzler G (*see* Strong et al). 1990;163:1370-1 (Letter reply)
- Hickok DE (*see* Mahony et al). 1990;163:1513-22
- Hill GA (*see* Osteen et al). 1990;163:479-84
- Hill GB (*see* Livengood et al). 1990;163:515-20
- Hill JA (*see* Van Voorhis et al). 1990;163:57-62
- Hillier S (*see* McGregor et al). 1990;163:1465-73
- (*see* McGregor et al). 1990;163:1580-91
- Hinman DJ (*see* Szeto and Hinman). 1990;163:202-9
- Hirsch JH (*see* Mahony et al). 1990;163:1513-22
- Hirvonen E, Idänpään-Heikkilä J. Cardiovascular death among women under 40 years of age using low-estrogen oral contraceptives and intrauterine devices in Finland from 1975 to 1984. 1990;163:281-4 (Symposium)
- Ho H-N, Gill TJ III, Nsieh R-P, Hsieh H-J, Lee T-Y. Sharing of human leukocyte antigens in primary and secondary recurrent spontaneous abortions. 1990;163:178-88
- Hobart ED (*see* Silver et al). 1990;163:917-22
- Hobbins JC (*see* Copel et al). 1990;163:751-6
- (*see* Cullen et al). 1990;163:466-76
- (*see* Reece et al). 1990;163:162-9 (Curr. dev.)
- (*see* Romero et al). 1990;163:757-61
- (*see* Romero et al). 1990;163:823-5
- (*see* Romero et al). 1990;163:968-74
- Hoegsberg B, Abulafia O, Sedlis A, Feldman J, DesJalais D, Landesman S, Minkoff H. Sexually transmitted diseases and human immunodeficiency virus infection among women with pelvic inflammatory disease. 1990;163:1135-9
- Hoffman DR (*see* McCoshen et al). 1990;163:1632-40
- Hoffman MS (*see* Cavanagh et al). 1990;163:1007-15
- (*see* LaPolla et al). 1990;163:1055-60
- Hogge JS (*see* Ferguson et al). 1990;163:926-31
- Hogge WA, Dungan JS, Brooks MP, Dilks SA, Abbott PL, Thiagarajah S, Ferguson JE. Diagnosis and management of prenatally detected myelomeningocele: a preliminary report. 1990;163:1061-5
- , Thiagarajah S, Ferguson JF II, Schnatterly PT, Harbert GM Jr. Should amniocenteses always accompany unexplained high maternal serum α -fetoprotein levels? Who decides: public agency, patient, or private physician? 1990;163:698 (Letter reply)
- (*see* Ferguson et al). 1990;163:926-31
- Hogue CJR (*see* Franks et al). 1990;163:1120-3
- Holloway RW (*see* Lewandowski et al). 1990;163:1333-7
- Holman S (*see* Minkoff et al). 1990;163:1598-604
- Holtzclaw L (*see* Devaskar et al). 1990;163:1350-6
- Honnebier OM (*see* Figueroa et al). 1990;163:648-54
- Hooper SB (*see* Harding et al). 1990;163:1904-13
- Hoppe G. The clinical relevance of oral contraceptive pill-induced plasma lipid changes: facts and fiction. 1990;163:388-91 (Symposium)
- Hoppichler F (*see* Loewit et al). 1990;163:708-10 (Letter)
- Horenstein J (*see* Carlson et al). 1990;163:1785-7
- Horger EO III (*see* Arnett et al). 1990;163:1074-80
- Horimoto N, Koyanagi T, Satoh S, Yoshizato T, Nakano H. Fetal eye movement assessed with real-time ultrasonography: Are there rapid and slow eye movements? 1990;163:1480-4
- Horowitz M (*see* Nordin et al). 1990;163:140-5
- Hoskins IA, Katz J, Frieden FJ, Ordorica SA, Young BK. In vitro inhibition of esterase activity in amniotic fluid: comparison with bacterial cultures. 1990;163:1944-7
- (*see* Frieden et al). 1990;163:830-3
- Hoskins WJ (*see* Rubin et al). 1990;163:69-73
- Howseman AM (*see* Johnson et al). 1990;163:601-7
- Hsieh H-J (*see* Ho et al). 1990;163:178-88
- Hsing AW (*see* Harger et al). 1990;163:130-7
- Hsu YC (*see* Romero et al). 1990;163:823-5
- Huard P (*see* Garner et al). 1990;163:505-8
- Huettnier PC (*see* Van Voorhis et al). 1990;163:57-62
- Huhta JC (*see* Moise et al). 1990;163:776-84
- Humblet DMP (*see* Jandrain et al). 1990;163:378-81 (Symposium)
- Hume RF Jr. Cocaine effects on fetal behavioral state. 1990;163:1365 (Letter reply)
- , Bowie JD, McCoy C, Magarelli PC, Gall M, Hertzberg BS, Carroll BA, Killam AP. Fetal umbilical artery Doppler response to graded maternal aerobic exercise and subsequent maternal mean arterial blood pressure: predictive

- value for pregnancy-induced hypertension. 1990;163:826-9
- Hümpel M, Täuber U, Kröhnz W, Pfeffer M, Brill K, Biol D, Heithecker R, Louton T, Steinberg B, Seifert W, Schütt B. Protein binding of active ingredients and comparison of serum ethinyl estradiol sex hormone-binding globulin, corticosteroid-binding globulin, and cortisol levels in women using a combination of gestodene/ethinyl estradiol (Femovan) or a combination of desogestrel/ethinyl estradiol (Marvelon) and single-dose ethinyl estradiol bioequivalence from both oral contraceptives. 1990;163:329-33 (Symposium)
- (see Täuber et al). 1990;163:1414-20 (Symposium)
- Hunse C (see Benzaquen et al). 1990;163:484-90
- (see Gagnon et al). 1990;163:1894-9
- Hunter VJ, Daly L, Helms M, Soper JT, Berchuck A, Clarke-Pearson DL, Bast RC Jr. The prognostic significance of CA 125 half-life in patients with ovarian cancer who have received primary chemotherapy after surgical cytoreduction. 1990;163:1164-7
- Hur D (see Burke et al). 1990;163:17-8
- Hurt WG (see Soper et al). 1990;163:1016-23
- Hussa RO (see Rao et al). 1990;163:1098-9 (Letter)
- Husslein PW (see Egarter and Husslein). 1990;163:707-8 (Letter reply)
- (see Egarter et al). 1990;163:794-6
- Hutson JM (see August et al). 1990;163:1612-21
- Hvidberg EF. Why do we need pharmacokinetic studies? 1990;163:316-8 (Symposium)

I

- Iams JD (see Kniss et al). 1990;163:1883-90
- Ichihara J (see Izumi et al). 1990;163:638-47
- Idänpään-Heikkilä J. (see Hirvonen and Idänpään-Heikkilä). 1990;163:281-4 (Symposium)
- Ikarashi T (see Takahashi et al). 1990;163:112-3
- Ikeda T, Mori N. Assessment of cerebral hemodynamics in pregnant women by internal carotid artery pulsed Doppler velocimetry. 1990;163:494-8
- Ikegami M (see Tabor et al). 1990;163:669-76
- Imrie SJ (see Cameron et al). 1990;163:931-4
- Indik JH, Reed KL. Variation and correlation in human fetal umbilical Doppler velocities with fetal breathing: evidence of the cardiac-placental connection. 1990;163:1792-6
- Insler V (see Glezerman et al). 1990;163:704 (Letter reply)
- Irion GL, Clark KE. Relationship between the ovine fetal umbilical artery blood flow waveform and umbilical vascular resistance. 1990;163:222-9
- Irion O (see Dupont et al). 1990;163:1527-8
- Isla M, Dyer DC. Vasodilatory effects of nifedipine, methoxy-verapamil, and sodium nitroprusside on contractile responses of the ewe uterine artery at term pregnancy. 1990;163:1337-44
- Ivanisevic M (see Fuchs et al). 1990;163:1961-7
- Iwata Y (see Lin and Iwata). 1990;163:243-4 (Letter)
- Izquierdo LA, Kushnir O, Knieriem K, Wernley JA, Curet LB. Effect of mitral valve prosthetic surgery on the outcome of a growth-retarded fetus: a case report. 1990;163:584-7
- Izumi H, Ichihara J, Uchiumi Y, Shirakawa K. Gestational changes in mechanical properties of skinned muscle tissues of human myometrium. 1990;163:638-47

J

- Jaakkola U-M (see Pulkkinen and Jaakkola). 1990;163:687-8 (Letter reply)

- Jackson DN (see Lewis et al). 1990;163:773-5
- Jaffe RB, Plosker S, Marshall L, Martin MC. Neuromodulatory regulation of gonadotropin-releasing hormone pulsatile discharge in women. 1990;163:1727-31 (Symposium)
- , Yen SSC. Pulsatile GnRH in clinical medicine: introductory remarks. 1990;163:1719-20 (Symposium)
- Jakobi P (see Weissman and Jakobi). 1990;163:1716 (Letter)
- Jakovovits AA. Changes in the incidence of ectopic pregnancy in Hungary. 1990;163:265-6 (Letter)
- James DK (see Mills et al). 1990;163:12-7
- Jammet CB (see Jandrain et al). 1990;163:378-81 (Symposium)
- Jandrain BJ, Humblet DMP, Jammet CB, Scheen AJ, Gaspard UJ, Lefebvre PJ. Effects of ethinyl estradiol combined with desogestrel and cyproterone acetate on glucose tolerance and insulin response to an oral glucose load: a one-year randomized, prospective, comparative trial. 1990;163:378-81 (Symposium)
- Jauniaux E, Campbell S. Ultrasonographic assessment of placental abnormalities. 1990;163:1650-8
- , Gibb D, Moscoso G, Campbell S. Ultrasonographic diagnosis of a large placental intervillous thrombosis associated with elevated maternal serum α -fetoprotein level. 1990;163:1558-60
- Jayo MJ, Weaver DS, Adams MR, Rankin SE. Effects on bone of surgical menopause and estrogen therapy with or without progesterone replacement in cynomolgus monkeys. 1990;163:614-8
- Jeanty P, Kepple D, Roussis P, Shah D. In utero detection of cardiac failure from an aneurysm of the vein of Galen. 1990;163:50-1
- Jedeikin R, Olsfanger D. Safety of 32% dextran 70 for hysteroscopy. 1990;163:2029-30 (Letter reply)
- Jenkins S (see Figueroa et al). 1990;163:648-54
- Jennings RH Jr (see Orr et al). 1990;163:1485-9
- Jenson AB (see Lewandowski et al). 1990;163:1333-7
- Jespersen J, Petersen KR, Skouby SO. Effects of newer oral contraceptives on the inhibition of coagulation and fibrinolysis in relation to dosage and type of steroid. 1990;163:396-403 (Symposium)
- , Skouby SO, Kluff C. First European Conference on Sex Steroids and Metabolism: introductory remarks. 1990;163:273 (Symposium)
- (see Gram et al). 1990;163:438-42 (Symposium)
- (see Kooistra et al). 1990;163:404-13 (Symposium)
- Jick H (see Milunsky et al). 1990;163:693 (Letter reply)
- Jimenez C (see Romero et al). 1990;163:757-61
- (see Romero et al). 1990;163:968-74
- Jobe AH (see Tabor et al). 1990;163:669-76
- Johnson A (see Dennis et al). 1990;163:267 (Letter reply)
- (see McGregor et al). 1990;163:1465-73
- Johnson AM, Palomaki GE, Haddow JE. The effect of adjusting maternal serum α -fetoprotein levels for maternal weight in pregnancies with fetal open spina bifida. 1990;163:9-11
- Johnson IR, Stehling MK, Blamire AM, Coxon RJ, Howseman AM, Chapman B, Ordridge RJ, Mansfield P, Symonds EM, Worthington BS, Coupland RE. Study of internal structure of the human fetus in utero by echo-planar magnetic resonance imaging. 1990;163:601-7
- Johnson JWC, Eggerman RS, Moorhead J. Cases with ruptured membranes that "re-seal." 1990;163:1024-32
- , Richards DS. Definition of fetal asphyxia. 1990;163:1364 (Letter reply)
- Johnson ML (see Sollenberger et al). 1990;163:1529-34
- Johnson MP, Drugan A, Koppitch FC III, Uhlmann WR, Ev-

- ans MI. Postmortem chorionic villus sampling is a better method for cytogenetic evaluation of early fetal loss than culture of abortus material. 1990;163:1505-10
- Johnson P, Maxwell DJ. Normal amniotic pressure in oligohydramnios after preterm rupture of membranes. 1990;163:1103-4 (Letter)
- (see Dennis et al). 1990;163:267 (Letter reply)
- Johnston JM (see McCoshen et al). 1990;163:1632-40
- Johnston MM, Sanchez-Ramos L, Vaughn AJ, Todd MW, Benrubi GI. Antibiotic therapy in preterm premature rupture of membranes: a randomized, prospective, double-blind trial. 1990;163:743-7
- Johnstone J (see Cameron et al). 1990;163:931-4
- Jones EE (see Seifer and Jones). 1990;163:1715 (Letter)
- Jones JS (see Arnett et al). 1990;163:1074-80
- Juchem M, Pollow K. Binding of oral contraceptive progestogens to serum proteins and cytoplasmic receptor. 1990;163:2171-83 (Symposium)
- Judson FN (see McGregor et al). 1990;163:1465-73
- (see McGregor et al). 1990;163:1580-91
- Juett D (see Mooney et al). 1990;163:30-6
- Juhan-Vague I, Vague P. Interrelations between carbohydrates, lipids, and the hemostatic system in relation to the risk of thrombotic and cardiovascular disease. 1990;163:313-5 (Symposium)
- Juneja SC, Dodson MG. In vitro effect of RU 486 on sperm-egg interaction in mice. 1990;163:216-21
- Jung-Hoffmann C, Kuhl H. Pharmacokinetics and pharmacodynamics of oral contraceptive steroids: factors influencing steroid metabolism. 1990;163:2183-97 (Symposium)
- (see Kuhl et al). 1990;163:363-9 (Symposium)
- K**
- Kadar N. Measures of test performance and predictive values. 1990;163:1374-5 (Letter)
- Use of serial human chorionic gonadotropin measurements to differentiate between intrauterine and ectopic pregnancies. 1990;163:259-60 (Letter)
- Kafrissen ME (see McGuire et al). 1990;163:2127-31 (Symposium)
- Kalhan SC, Rossi E, Philipson E. Is meconium aspiration an intrauterine event? 1990;163:250-1 (Letter reply)
- Kamiura S (see Nobunaga et al). 1990;163:634-8
- Kanazawa K (see Takahashi et al). 1990;163:112-3
- Kaneko M (see Koike et al). 1990;163:696 (Letter)
- Kanwar AJ, Kaur S. Pemphigus in pregnancy. 1990;163:1097 (Letter reply)
- Kao M-S (see Mutch et al). 1990;163:1920-4
- Kaplan JR (see Adams et al). 1990;163:1388-92 (Symposium)
- Karchmar EJ (see Low et al). 1990;163:1131-5
- Kasturi RV (see Macri et al). 1990;163:1248-53
- (see Macri et al). 1990;163:1373-4 (Letter reply)
- Katz J (see Hoskins et al). 1990;163:1944-7
- Katz M (see Hendricks and Katz). 1990;163:699-700 (Letter)
- Katz VL, Thorp JM Jr, Rozas L, Bowes WA Jr. The natural history of thrombocytopenia associated with preeclampsia. 1990;163:1142-3
- (see Watson et al). 1990;163:1456-7
- Kauma S, Matt D, Strom S, Eierman D, Turner T. Interleukin-1 β , human leukocyte antigen DR1, and transforming growth factor- β expression in endometrium, placenta, and placental membranes. 1990;163:1430-7
- Kaunitz AM (see Sanchez-Ramos et al). 1990;163:1081-8
- Kauppiä A (see Puistola et al). 1990;163:1276-81
- Kaur S (see Kanwar and Kaur). 1990;163:1097 (Letter reply)
- Keene CL (see Saller et al). 1990;163:922-5
- Kelleher CC. Clinical aspects of the relationship between oral contraceptives and abnormalities of the hemostatic system: relation to the development of cardiovascular disease. 1990;163:392-5 (Symposium)
- Keller JD, Metzger BE, Dooley SL, Tamura RK, Sabbagha RE, Freinkel N. Infants of diabetic mothers with accelerated fetal growth by ultrasonography: Are they all alike? 1990;163:893-7
- (see Martin et al). 1990;163:1209-16
- Kelly MA (see Trimmer et al). 1990;163:1900-3
- Kelton JG (see Burrows and Kelton). 1990;163:1147-50
- Kepple D (see Jeanty et al). 1990;163:50-1
- Kestler E (see Villar et al). 1990;163:151-7
- Khalife S (see Villeneuve et al). 1990;163:1641-6
- Khan-Dawood FS (see Hecht et al). 1990;163:1986-91
- Khoury AD (see Moretti et al). 1990;163:833-8
- (see Moretti et al). 1990;163:1844-8
- Khoury J (see Stamler et al). 1990;163:1217-21
- Killam AP (see Hume et al). 1990;163:826-9
- Kilpatrick DC (see Liston and Kilpatrick). 1990;163:1365-6 (Letter)
- Kim MH (see Goldberg et al). 1990;163:65-8
- Kimura T (see Nobunaga et al). 1990;163:634-8
- Kinsky R (see Szekeres-Bartho et al). 1990;163:1320-1
- Kirk KA (see Owen et al). 1990;163:873-9
- Kirshon B (see Smith et al). 1990;163:98-9
- Kitzmler JL (see Major and Kitzmler). 1990;163:838-44
- Kivikoski AI, Martin CM, Smeltzer JS. Transabdominal and transvaginal ultrasonography in the diagnosis of ectopic pregnancy: a comparative study. 1990;163:123-8
- , —, —. Transabdominal and transvaginal ultrasonography in the diagnosis of ectopic pregnancy: a comparative study (1990;163:123-9). 1990;163:2030 (Correction)
- Kjæer A (see Lebech et al). 1990;163:414-6 (Symposium)
- (see Refn et al). 1990;163:374-7 (Symposium)
- Kjos SL, Buchanan TA, Greenspoon JS, Montoro M, Bernstein GS, Mestman JH. Gestational diabetes mellitus: the prevalence of glucose intolerance and diabetes mellitus in the first two months post partum. 1990;163:93-8
- , Shoupe D, Douyan S, Friedman RL, Bernstein GS, Mestman JH, Mishell DR Jr. Effect of low-dose oral contraceptives on carbohydrate and lipid metabolism in women with recent gestational diabetes: results of a controlled, randomized, prospective study. 1990;163:1822-7
- , Walther FJ, Montoro M, Paul RH, Diaz F, Stabler M. Prevalence and etiology of respiratory distress in infants of diabetic mothers: predictive value of fetal lung maturation tests. 1990;163:898-903
- Klebanoff MA, Shiono PH, Carey JC. The effect of physical activity during pregnancy on preterm delivery and birth weight. 1990;163:1450-6
- Kloosterboer HJ, Rekers H. Effects of three combined oral contraceptive preparations containing desogestrel plus ethinyl estradiol on lipid metabolism in comparison with two levonorgestrel preparations. 1990;163:370-3 (Symposium)
- Kloosterboer L (see Bergink et al). 1990;163:2132-7 (Symposium)
- Kluft C. Disorders of the hemostatic system and the risk of the development of thrombotic and cardiovascular diseases: limitations of laboratory diagnosis. 1990;163:305-12 (Symposium)
- (see Jespersen et al). 1990;163:273 (Symposium)
- (see Kooistra et al). 1990;163:404-13 (Symposium)
- Knappe KG (see Downing and Knappe). 1990;163:1096-7 (Letter)

- Knieriem K (see Izquierdo et al). 1990;163:584-7
- Knight CJ (see Haddow et al). 1990;163:1372 (Letter)
- Kniss DA, Mershon J, Su H-C, Sonek J, Fertel RH, Waxman M, Iams JD, Gabbe SG. Evidence of a role for protein kinase C in epidermal growth factor-induced prostaglandin E_2 synthesis in amnion cells. 1990;163:1883-90
- Knobil E. The GnRH pulse generator. 1990;163:1721-6 (Symposium)
- Knoll K (see Harstad et al). 1990;163:912-6
- Knox GE (see Harger et al). 1990;163:130-7
- Knuppel RA (see O'Brien et al). 1990;163:1796-8
- Knuppen R (see Ball and Knuppen). 1990;163:2163-70 (Symposium)
- Koenigsberg M (see Chazotte et al). 1990;163:1180-1
- Kofinas AD (see Hatjis et al). 1990;163:45-50
- Koga Y, Mizumoto M, Matsumoto Y, Hattori T, Tanaka S, Tanaka T, Fujimoto S. Prenatal diagnosis of fetal intracranial calcifications. 1990;163:1543-5
- Koike H, Chuganji Y, Watanabe H, Kaneko M, Noda S-i, Mori N. Conservative treatment of ovarian pregnancy by local prostaglandin $F_{2\alpha}$ injection. 1990;163:696 (Letter)
- Kooistra T, Bosma PJ, Jespersen J, Kluit C. Studies on the mechanism of action of oral contraceptives with regard to fibrinolytic variables. 1990;163:404-13 (Symposium)
- Koonings PP (see Bergman et al). 1990;163:2025-6 (Letter reply)
- Kopelman JN (see Christian et al). 1990;163:848-55
- Koppitch FC III (see Johnson et al). 1990;163:1505-10
- Koren G. Perception of teratogenic risk by pregnant women exposed to diagnostic radiation during pregnancy. 1990;163:695-6 (Letter reply)
- Korn WT, Schatzki SC, DiSciullo AJ, Scully RE. Papillary cystadenoma of the broad ligament in von Hippel-Lindau disease. 1990;163:596-8
- Koutsilieris M, Michaud J, Nikolis A. Preferential mitogenic activity for myoblast-like cells can be extracted from uterine leiomyoma tissues. 1990;163:1665-70
- Koyanagi T (see Horimoto et al). 1990;163:1480-4
- Krantz DA (see Macri et al). 1990;163:1248-53
- (see Macri et al). 1990;163:1373-4 (Letter reply)
- Kratzer PG, Taylor RN. Corpus luteum function in early pregnancies is primarily determined by the rate of change of human chorionic gonadotropin levels. 1990;163:1497-502
- Krebs D (see Mallmann et al). 1990;163:1367 (Letter)
- Krebs H-B (see Helmkamp and Krebs). 1990;163:1554-7
- Kredentser JV (see McCoshen et al). 1990;163:1632-40
- Kreitzer L (see Copel et al). 1990;163:751-6
- Kretchmer N (see Green et al). 1990;163:86-92
- Kühl C (see Skouby et al). 1990;163:343-8 (Symposium)
- Kuhl H. Pharmacokinetics of oral contraceptive steroids and drug interaction: conclusion. 1990;163:2216-8 (Symposium)
- Pharmacokinetics of oral contraceptive steroids and drug interaction: introduction. 1990;163:2113 (Symposium)
- März W, Jung-Hoffmann C, Heidt F, Gross W. Time-dependent alterations in lipid metabolism during treatment with low-dose oral contraceptives. 1990;163:363-9 (Symposium)
- (see Jung-Hoffmann and Kuhl). 1990;163:2183-97 (Symposium)
- Kuhlmann RS, Werner AL, Abramowicz J, Warsof SL, Arrington J, Levy DL. Placental histology in fetuses between 18 and 23 weeks' gestation with abnormal karyotype. 1990;163:1264-70
- Kuhn W. Pharmacokinetics of the contraceptive steroids le-

- vonorgestrel and gestodene after single and multiple oral administration to women. 1990;163:2120-7 (Symposium)
- (see Hümpel et al). 1990;163:329-33 (Symposium)
- (see Täuber et al). 1990;163:1414-20 (Symposium)
- Kunz F, Pechlaner C, Tabarelli M, Sölder E, Zwierzina W-D. Influence of oral contraceptives on coagulation tests in native blood and plasma. 1990;163:417-20 (Symposium)
- Kunze E (see Vasquez et al). 1990;163:2006-12
- Kushnir O (see Izquierdo et al). 1990;163:584-7
- Kutteh WH, Baker VV, Doellgast GJ. Autologous antibodies eluted from membrane fragments in human ovarian epithelial neoplastic effusions. III. Cytotoxic potential in vitro and characterization of antigen(s). 1990;163:1301-6
- Kuyper W (see Andres et al). 1990;163:935-8

L

- Laatikainen T. Corticotropin-releasing hormone in amniotic fluid. 1990;163:1102 (Letter)
- Lacarra M (see Levin et al). 1990;163:543-4
- Lafferty CM (see Gilbert et al). 1990;163:998-9
- Laippala PJ (see Mäkinen et al). 1990;163:266 (Letter reply)
- Lancaster WD (see Lewandowski et al). 1990;163:1333-7
- Landesman SH (see Hoegsberg et al). 1990;163:1135-9
- (see Minkoff et al). 1990;163:1598-604
- Langer O. Findings not new. 1990;163:2028 (Letter reply)
- (see Berkus et al). 1990;163:1812-7
- (see Berkus et al). 1990;163:1818-21
- Langer R, Golan A, Neuman M, Schneider D, Bukovsky I, Caspi E. The effect of large uterine fibroids on urinary bladder function symptoms. 1990;163:1818-21
- Lao T. Maternal serum α -fetoprotein level useful screening test. 1990;163:240 (Letter)
- LaPolla JP, Nicosia S, McCurdy C, Songster C, Ruffolo E, Roberts WS, Hoffman MS, Fiorica JV, Cavanagh D. Experience with the EndoPap device for the cytologic detection of uterine cancer and its precursors: a comparison of the EndoPap with fractional curettage or hysterectomy. 1990;163:1055-60
- (see Cavanagh et al). 1990;163:1007-15
- La Puma J, Schiedermayer DL, Grover JL. Surrogate partenting contracts. 1990;163:680 (Letter reply)
- Laragh JH (see August et al). 1990;163:1612-21
- Laros RK Jr (see Combs et al). 1990;163:100-4
- Larsen JW Jr (see Macri et al). 1990;163:1248-53
- (see Macri et al). 1990;163:1373-4 (Letter reply)
- LaSala A (see Berkowitz and LaSala). 1990;163:981-5
- Lavy G (see Grifo et al). 1990;163:2013-9
- Lazebnik N, Hendrix PV, Ashmead GG, Ashmead JW, Mann LI. Detection of fetal blood contamination by amniotic fluid obtained during cordocentesis. 1990;163:78-80
- Lazzari M (see Riveros et al). 1990;163:704-5 (Letter)
- Lebech A-M, Kjæær A, Lebech PE. Metabolic changes during the normal menstrual cycle: a longitudinal study. 1990;163:414-6 (Symposium)
- (see Refn et al). 1990;163:374-7 (Symposium)
- Lebech PE (see Lebech et al). 1990;163:414-6 (Symposium)
- Lebo RV (see Pinckert et al). 1990;163:684 (Letter reply)
- Lechner W. Measurement of cardiac output with impedance cardiography. 1990;163:1096 (Letter)
- Ledermüller G (see Loewit et al). 1990;163:708-10 (Letter)
- Lee D (see McCoshen et al). 1990;163:81-5
- Lee T-Y (see Ho et al). 1990;163:178-88
- Lee W. Ultrasonographic guidance for central venous access. 1990;163:252 (Letter reply)

- Lefebvre PJ (see Gaspard and Lefebvre). 1990;163:334-43 (Symposium)
- (see Jandrain et al). 1990;163:378-81 (Symposium)
- LeFebvre M (see Ewigman et al). 1990;163:256-7 (Letter)
- Leiberman JR, van Vroonhoven CCJ, Beckmann I, van der Kwast TH, Wallenburg HCS. Uterine artery estrogen receptors in the nonpregnant and pregnant guinea pig. 1990;163:1685-8
- Leland MM (see Hankins et al). 1990;163:728-32
- Lench JB (see Gambone et al). 1990;163:545-50
- Lenfant C, Gifford RW Jr, Zuspan F. National High Blood Pressure Education Program Working Group report on high blood pressure in pregnancy: foreword. 1990;163:2113 (Symposium)
- Lenke RR, Persutte WH, Nemes J. Ultrasonographic assessment of intestinal damage in fetuses with gastroschisis: Is it of clinical value? 1990;163:995-8
- Lenox JW, Uguru V, Cibils LA. Effects of hypertension on pregnancy monitoring and results. 1990;163:1173-9
- Lenz T (see August et al). 1990;163:1612-21
- Leonardi G (see Baudo et al). 1990;163:1274-5
- Lepot MR (see David et al). 1990;163:420-3 (Symposium)
- Letsky EA (see Nicolini et al). 1990;163:1144-6
- Letterie GS, Bruner JP, Sarno AP Jr. A convenient method to identify prior surgical procedures. 1990;163:1100 (Letter)
- Leung PCK (see Rodway et al). 1990;163:1546-51
- Leveno KJ (see Cox et al). 1990;163:767-72
- (see Trimmer et al). 1990;163:1900-3
- Levi A (see Meizner et al). 1990;163:128-9
- Levin JH, Lacarra M, d'Ablaing G, Grimes DA, Vermesh M. Mifepristone (RU 486) failure in an ovarian heterotopic pregnancy. 1990;163:543-4
- , Tonetta SA, Lobo RA. Comparison of norethindrone and medroxyprogesterone acetate with natural progesterone and estradiol in stimulating prolactin production from cultured endometrial stromal cells. 1990;163:1932-8
- Levy A (see Meizner et al). 1990;163:267-8 (Letter)
- Levy DL (see Kuhlmann et al). 1990;163:1264-70
- Lewandowski G, Delgado G, Holloway RW, Farrell M, Jensen AB, Lancaster WD. The use of in situ hybridization to show human papillomavirus deoxyribonucleic acid in metastatic cancer cells within lymph nodes. 1990;163:1333-7
- Lewis DF, Towers CV, Garite TJ, Jackson DN, Nageotte MP, Major CA. Fetal gastroschisis and omphalocele: Is cesarean section the best mode of delivery? 1990;163:773-5
- (see Harding et al). 1990;163:1566-8
- Lewis JL Jr (see Rubin et al). 1990;163:69-73
- Lin B-L, Iwata Y. Modified laparoscopy for monitoring transcervical surgery. 1990;163:243-4 (Letter)
- Lindblom B, Hahlin M, Sjöblom P. Caution in use of new test for ectopic pregnancy. 1990;163:694-5 (Letter reply)
- , —, —. Use of serial human chorionic gonadotropin measurements to differentiate between intrauterine and ectopic pregnancies. 1990;163:260-1 (Letter reply)
- Liner RI. Intrauterine *Listeria* infection: prenatal diagnosis by biophysical assessment and amniocentesis. 1990;163:1596-7
- Lipper EG, Ross GS, Auld PAM, Glassman MB. Survival and outcome of infants weighing 800 grams at birth. 1990;163:146-50
- Lippert TH (see Dietl and Lippert). 1990;163:707 (Letter)
- Liston WA, Kilpatrick DC. Preeclampsia—An endothelial cell disorder plus "something else"? 1990;163:1365-6 (Letter)
- Little BB (see Harstad et al). 1990;163:912-6
- (see Roe et al). 1990;163:715-8
- Liu JH. Hypothalamic amenorrhea: clinical perspectives, pathophysiology, and management. 1990;163:1732-6 (Symposium)
- Liu K (see Martin et al). 1990;163:1209-16
- Livengood CH III, Thomason JL, Hill GB. Bacterial vaginosis: diagnostic and pathogenetic findings during topical clindamycin therapy. 1990;163:515-20
- Ljungström K-G. Safety of 32% dextran 70 for hysteroscopy. 1990;163:2029 (Letter)
- Lloyd KO (see Rubin et al). 1990;163:69-73
- Lobe T (see Moretti et al). 1990;163:833-8
- Lobel SM (see Friedman et al). 1990;163:1114-9 (Clin. opinion)
- Lobo RA (see Cassidenti et al). 1990;163:1953-60
- (see Levin et al). 1990;163:1932-8
- (see Paulson et al). 1990;163:2020-3
- (see Shoupe et al). 1990;163:1982-5
- Lockwood CJ. Laboratory identification of the lupus anticoagulant in normal pregnancy and pregnancy-induced hypertension. 1990;163:705 (Letter reply)
- Loewit K, Hoppichler F, Ledermüller G, Widhalm R. Ovulation prediction from cyclic changes in salivary electrical conductivity. 1990;163:708-10 (Letter)
- Loffer FD. Explanation of mechanism of Hyskon solution reaction needed. 1990;163:2029 (Letter)
- , Fluid cooling of artificial sapphire tips of laser. 1990;163:681 (Letter)
- Lohda AK (see Romero et al). 1990;163:968-74
- Long CA, Bauer GS, Lowe ME, Strauss AW, Gast MJ. Isolation and characterization of the gene from a human genome encoding 17 β -estradiol dehydrogenase: a comparison of Jar and BeWo choriocarcinoma cell lines. 1990;163:1976-81
- Lorber DL (see Tibaldi et al). 1990;163:509-10
- Louton T (see Hümpel et al). 1990;163:329-33 (Symposium)
- Louv WC (see Barbone et al). 1990;163:510-4
- Low JA, Muir DW, Pater EA, Karchmar EJ. The association of intrapartum asphyxia in the mature fetus with newborn behavior. 1990;163:1131-5
- Lowe DG (see van Dam et al). 1990;163:698-9 (Letter)
- Lowe ME (see Long et al). 1990;163:1976-81
- Lowe TW (see Yeomans et al). 1990;163:958-64
- Lowery CL Jr (see Hankins et al). 1990;163:728-32
- Lowther GW (see Cameron et al). 1990;163:931-4
- Lucifora G, Martinez F, Calabro S, Carroccio G, Brigandi A, de Pasquale R. HBcAg identification in the placental cytotypes of symptom-free HBsAg-carrier mothers: a study with the immunoperoxidase method. 1990;163:235-9
- Luthy DA (see Mahony et al). 1990;163:1513-22

M

- Mabie WC, Ahokas RA, Sibai BM. Maternal and uteroplacental hemodynamic effects of chronic captopril in the hypertensive, term-pregnant rat. 1990;163:1861-7
- (see Barton et al). 1990;163:534-8
- MacGregor SN (see Silver et al). 1990;163:917-22
- (see Utter et al). 1990;163:1781-4
- Mackall JA (see Mader et al). 1990;163:1578-9
- MacKenzie JRM (see Cameron et al). 1990;163:931-4
- Macnaughton M. Ethics of new reproductive technologies. 1990;163:1376 (Letter reply)
- Macri JN, Kasturi RV, Krantz DA, Cook EJ, Moore ND, Young JA, Romero K, Larsen JW Jr. Maternal serum Down syndrome screening: free β -protein is a more effective marker than human chorionic gonadotropin. 1990;163:1248-53
- , —, —, —, Sunderji SG, Larsen JW Jr. Maternal

- serum unconjugated estriol levels are lower in the presence of fetal Down syndrome. 1990;163:1373-4 (Letter reply)
- Madden S (see Back et al). 1990;163:2138-45 (Symposium)
- Mader SL, Mackall JA, Emert MP. Hyperadrenergic orthostatic intolerance as a result of postpartum blood loss. 1990;163:1578-9
- Magarelli PC (see Hume et al). 1990;163:826-9
- Magargee SF (see Vasquez et al). 1990;163:2006-12
- Magness RR (see Brown et al). 1990;163:1853-61
- Mahony BS, Petty CN, Nyborg DA, Luthy DA, Hickok DE, Hirsch JH. The stuck twin phenomenon: ultrasonographic findings, pregnancy outcome, and management with serial amniocenteses. 1990;163:1513-22
- Maier D. Association between autoantibodies and unexplained infertility unproved. 1990;163:243 (Letter)
- Major CA, Kitzmiller JL. Perinatal survival with expectant management of midtrimester rupture of membranes. 1990;163:838-44
- (see Harding et al). 1990;163:1566-8
- (see Lewis et al). 1990;163:773-5
- (see Stern et al). 1990;163:176-7
- Mäkinen JI, Erkkola RU, Laippala PJ. Changes in the incidence of ectopic pregnancy in Hungary. 1990;163:266 (Letter reply)
- Mallmann P, Werner A, Krebs D. Serum levels of interleukin-2 and tumor necrosis factor α in women with recurrent abortion. 1990;163:1367 (Letter)
- Manabe Y, Yoshida Y. Morphologic study of changes of collagenous tissue in the amnion and cervix during prostaglandin-induced abortion and delivery. 1990;163:52-6
- Mann LI (see Lazebnik et al). 1990;163:78-80
- Mann WJ. A comment on thumbtacks for hemorrhage control. 1990;163:1092-3 (Letter)
- Mansfield P (see Johnson et al). 1990;163:601-7
- Mantingh A (see van Loon et al). 1990;163:1256-60
- Marcoux S (see Villeneuve et al). 1990;163:1641-6
- Margara R (see Dimitry et al). 1990;163:244-5 (Letter)
- Mari G (see Moise et al). 1990;163:776-84
- (see Smith et al). 1990;163:567-9
- Maria B (see Cabrol et al). 1990;163:540-2
- Mariani G (see Abbate et al). 1990;163:424-9 (Symposium)
- Markman M (see Rubin et al). 1990;163:69-73
- Markoff E (see McCoshen et al). 1990;163:81-5
- Marquette GP, Boucher M, Desrochers M, Dallaire L. Screening for trisomy 21 with ultrasonographic determination of biparietal diameter/femur length ratio. 1990;163:1604-5
- Mar[brev]sál K (see Stale et al). 1990;163:26-9
- Marshall L (see Jaffe et al). 1990;163:1727-31 (Symposium)
- Martens M, Faro S. Cefotetan and the lack of associated bleeding. 1990;163:251 (Letter)
- Martin AO, Dempsey LM, Minogue J, Liu K, Keller J, Tamura R, Freinkel N. Maternal serum α -fetoprotein levels in pregnancies complicated by diabetes: implications for screening programs. 1990;163:1209-16
- Martin CM (see Kivikoski et al). 1990;163:123-8
- Martin MC (see Jaffe et al). 1990;163:1727-31 (Symposium)
- Martines F (see Lucifora et al). 1990;163:235-9
- Martinez-Mir I, Estañ L, Morales-Olivas FJ, Rubio E. Studies of the spontaneous motility and the effect of histamine on isolated myometrial strips of the nonpregnant human uterus: the influence of various uterine abnormalities. 1990;163:189-95
- Martinez-Schnell B (see Sanchez-Ramos et al). 1990;163:1081-8
- März W (see Kuhl et al). 1990;163:363-9 (Symposium)
- Mascioli SR (see Cauley et al). 1990;163:1438-44
- Mason B (see Gonsoulin et al). 1990;163:1172-3
- Mason RA (see Cunningham et al). 1990;163:453-9
- Massad LS (see Mutch et al). 1990;163:1920-4
- Mastroiacovo P, Zampino G, Valente M. Perception of teratogenic risk by pregnant women exposed to diagnostic radiation during pregnancy. 1990;163:695 (Letter)
- Matera C, Warren WB, Moomjy M, Fink DJ, Fox HE. Prevalence of use of cocaine and other substances in an obstetric population. 1990;163:797-801
- Mathers AM (see Cameron et al). 1990;163:931-4
- Mathur S (see Daru and Mathur). 1990;163:1622-9
- Matsumoto AM, Gross KM, Shekter CB, Bremner WJ. The luteinizing hormone-releasing hormone pulse generator in men: abnormalities and clinical management. 1990;163:1743-51 (Symposium)
- Matsumoto K (see Sakata et al). 1990;163:1679-84
- Matsumoto Y (see Koga et al). 1990;163:1543-5
- Matt DW (see Kauma et al). 1990;163:1430-7
- (see Nestler et al). 1990;163:1243-6
- Mattsson L-[oc]A (see Samsioe and Mattsson). 1990;163:354-8 (Symposium)
- Mauri M (see Baudo et al). 1990;163:1274-5
- Maxwell DJ (see Johnson and Maxwell). 1990;163:1103-4 (Letter)
- Mazor M (see Romero et al). 1990;163:757-61
- (see Romero et al). 1990;163:823-5
- (see Romero et al). 1990;163:968-74
- McAlpin-Cadkin J (see Cadkin and McAlpin-Cadkin). 1990;163:1103 (Letter)
- McCaffrey R (see Berkowitz and McCaffrey). 1990;163:1200-1
- McCalla S (see Minkoff et al). 1990;163:521-6
- McColgin SW, Williams LM, Sorrells TL, Morrison JC. Hemoperitoneum as a result of coital injury without associated vaginal injury. 1990;163:1503-5
- McCormack WM (see Covino and McCormack). 1990;163:116-8
- McCoshen JA, Hoffman DR, Kredentser JV, Araneda C, Johnston JM. The role of fetal membranes in regulating production, transport, and metabolism of prostaglandin E_2 during labor. 1990;163:1632-40
- , Patalas E, Markoff E, Lee D, Ming Y. Comparisons of glycosylated and nonglycosylated amniotic fluid prolactins in normal second- and third-trimester pregnancies. 1990;163:81-5
- McCoy C (see Hume et al). 1990;163:826-9
- McCullough LB (see Chervenak and McCullough). 1990;163:1425-9 (Clin. opinion)
- (see Chervenak et al). 1990;163:257-8 (Letter reply)
- (see Chervenak et al). 1990;163:688-9 (Letter reply)
- McCurdy C (see LaPolla et al). 1990;163:1055-60
- McDonough PG (see Tho et al). 1990;163:1968-75
- McFarland KF (see Smythe et al). 1990;163:1037-9
- McFee J (see McGregor et al). 1990;163:1580-91
- McGregor JA, French JI, Richter R, Franco-Buff A, Johnson A, Hillier S, Judson FN, Todd JK. Antenatal microbiologic and maternal risk factors associated with prematurity. 1990;163:1465-73
- , —, —, Vuchetich M, Bachus V, Seo K, Hillier S, Judson FN, McFee J, Schoonmaker J, Todd JK. Cervicovaginal microflora and pregnancy outcome: results of a double-blind, placebo-controlled trial of erythromycin treatment. 1990;163:1580-91
- McGuire JL, Phillips A, Hahn D, Tolman EL, Flor S, Kafrissen

- ME. Pharmacologic and pharmacokinetic characteristics of norgestimate and its metabolites. 1990;163:2127-31 (Symposium)
- McLaren RA (see Saving et al). 1990;163:1369-70 (Letter)
- McLelland R (see Dodd and McLelland). 1990;163:689-90 (Letter)
- McLeod AGW. Retrospection and prospection. 1990;163:1000-6 (Pres. address)
- McMenamy K (see Devaskar et al). 1990;163:1350-6
- McNellis D (see Ewigman et al). 1990;163:256-7 (Letter)
- Mead PB (see Harger et al). 1990;163:130-7
- Medearis AL (see Carlson et al). 1990;163:1785-7
- Meis PJ (see Cuthrell et al). 1990;163:170-4
- Meizner I, Levi A, Carmi R, Robinsin C. Niemann-Pick disease associated with nonimmune hydrops fetalis. 1990;163:128-9
- , Levy A, Cohen J. Spontaneous resolution of a nuchal fetal cystic hygroma diagnosed early in the second trimester of pregnancy. 1990;163:267-8 (Letter)
- Menczer J (see Baruch and Menczer). 1990;163:703-4 (Letter)
- (see Schiff et al). 1990;163:1375 (Letter reply)
- Mendez H (see Minkoff et al). 1990;163:1598-604
- Meredith WD (see Smythe et al). 1990;163:1037-9
- Meriggiola MC (see Filicori et al). 1990;163:1737-42 (Symposium)
- Merlob P (see Metzker and Merlob). 1990;163:1097 (Letter)
- Mershon J (see Kniss et al). 1990;163:1883-90
- Merzbach D (see Goldstein et al). 1990;163:1261-3
- Mestman JH (see Kjos et al). 1990;163:93-8
- (see Kjos et al). 1990;163:1822-7
- Metzger BE (see Keller et al). 1990;163:893-7
- (see Rizzo et al). 1990;163:1458-64
- Metzker A, Merlob P. Pemphigus in pregnancy. 1990;163:1097 (Letter)
- Meyer BA (see Dickinson et al). 1990;163:1831-5
- Meyers CM (see Shulman et al). 1990;163:1606-9
- Meyers RL (see Paulick et al). 1990;163:1357-63
- Michaud J (see Koutsilieris et al). 1990;163:1665-70
- Michelacci L (see Filicori et al). 1990;163:1737-42 (Symposium)
- Mikhail MS (see Basu et al). 1990;163:1948-52
- Millard DD (see Utter et al). 1990;163:1781-4
- Miller FC (see Hardardottir et al). 1990;163:1925-31
- Miller G (see Suzuki and Miller). 1990;163:1103 (Letter)
- Miller RC (see Watson et al). 1990;163:1456-7
- Miller TC (see Saving et al). 1990;163:1369-70 (Letter)
- Milligan JE. Credit neonatal or obstetric care? 1990;163:1716-7 (Letter reply)
- Mills MD, Nageotte MP, Elliott JP, Crade M, Dorchester W. Reliability of ultrasonographic formulary in the prediction of fetal weight and survival of very-low-birth-weight infants. 1990;163:1568-74
- Mills MS, James DK, Slade S. Two-tier approach to biophysical assessment of the fetus. 1990;163:12-7
- Milunsky A, Jick H, Willett W. Maternal serum α -fetoprotein in pregnancy. 1990;163:693 (Letter reply)
- Mimouni F (see Stamler et al). 1990;163:1217-21
- Ming Y (see McCoshen et al). 1990;163:81-5
- Minhas BS (see Roudebush et al). 1990;163:1670-3
- Minkoff HL, Henderson C, Mendez H, Gail MH, Holman S, Willoughby A, Goedett JJ, Rubinstein A, Stratton P, Walsh JH, Landesman SH. Pregnancy outcomes among mothers infected with human immunodeficiency virus and uninfected control subjects. 1990;163:1598-604
- , McCalla S, Delke I, Stevens R, Salwen M, Feldman J. The relationship of cocaine use to syphilis and human immunodeficiency virus infections among inner city parturient women. 1990;163:521-6
- , Moreno JL. Drug prophylaxis for human immunodeficiency virus infected pregnant women: ethical considerations. 1990;163:1111-4 (Clin. opinion)
- (see Hoegsberg et al). 1990;163:1135-9
- Minogue J (see Martin et al). 1990;163:1209-16
- Miodovnik M (see Stamler et al). 1990;163:1217-21
- Mishell DR Jr (see Kjos et al). 1990;163:1822-7
- (see Shoupe et al). 1990;163:1982-5
- Mitchell BD (see Berkus et al). 1990;163:1812-7
- (see Berkus et al). 1990;163:1818-21
- Mitchell JM (see Roberts and Mitchell). 1990;163:1560-6
- Mitchell MD (see Branch et al). 1990;163:210-6
- (see Dudley et al). 1990;163:1890-3
- Mizumoto M (see Koga et al). 1990;163:1543-5
- Mizutani T (see Sakata et al). 1990;163:1679-84
- Moawad AH (see Pridjian and Moawad). 1990;163:246 (Letter reply)
- Moise KJ Jr, Mari G, Fisher DJ, Huhta JC, Cano LE, Carpenter RJ Jr. Acute fetal hemodynamic alterations after intrauterine transfusion for treatment of severe red cell alloimmunization. 1990;163:776-84
- (see Gonsoulin et al). 1990;163:526-7
- Mollick J (see Chatwani et al). 1990;163:240 (Letter)
- Mølsted-Pedersen L (see Damm and Mølsted-Pedersen). 1990;163:682-3 (Letter reply)
- Mølsted-Pedersen L (see Skouby et al). 1990;163:343-8 (Symposium)
- Montoro M (see Kjos et al). 1990;163:93-8
- (see Kjos et al). 1990;163:898-903
- Moodley J (see Cabrol et al). 1990;163:540-2
- Moomjy M (see Matera et al). 1990;163:797-801
- Mooney P, Dalton KJ, Swindells HE, Rushant S, Cartwright W, Juett D. Blood pressure measured telemetrically from home throughout pregnancy. 1990;163:30-6
- Moore JG (see Gambone et al). 1990;163:545-50
- Moore ND (see Macri et al). 1990;163:1248-53
- Moore TR. Superiority of the four-quadrant sum over the single-deepest-pocket technique in ultrasonographic identification of abnormal amniotic fluid volumes. 1990;163:762-7
- , Gale S, Benirschke K. Perinatal outcome of forty-nine pregnancies complicated by acardiac twinning. 1990;163:907-12
- , Piacquadio K. Study results vary in count-to-10 method of fetal movement screening. 1990;163:264-5 (Letter reply)
- Moorhead J (see Johnson et al). 1990;163:1024-32
- Mooyaart EL (see van Loon et al). 1990;163:1256-60
- Morales-Olivas FJ (see Martinez-Mir et al). 1990;163:189-95
- Moran O (see Schiff et al). 1990;163:1375 (Letter reply)
- Moreno JL (see Minkoff and Moreno). 1990;163:1111-4 (Clin. opinion)
- Moretti MM, Fairlie FM, Akl S, Khoury AD, Sibai BM. The effect of nifedipine therapy on fetal and placental Doppler waveforms in preeclampsia remote from term. 1990;163:1844-8
- , Khoury A, Rodriguez J, Lobe T, Shaver D, Sibai B. The effect of mode of delivery on the perinatal outcome in fetuses with abdominal wall defects. 1990;163:833-8
- (see Sibai et al). 1990;163:733-8
- Mori N (see Ikeda and Mori). 1990;163:494-8
- (see Koike et al). 1990;163:696 (Letter)
- Morris HA (see Nordin et al). 1990;163:140-5
- Morrison JC (see McColgin et al). 1990;163:1503-5

- Morrow RJ, Adamson SL, Bull SB, Ritchie JWK. Hypoxic acidemia, hyperviscosity, and maternal hypertension do not affect the umbilical arterial velocity waveform in fetal sheep. 1990;163:1313-20
- Morrow WR (see Hankins et al). 1990;163:728-32
- Mortimer RH (see Yap et al). 1990;163:477-8
- Moscoso G (see Jauniaux et al). 1990;163:1558-60
- Mueller RA (see Thorp et al). 1990;163:655-6
- Muir DW (see Low et al). 1990;163:1131-5
- Muise K (see Ridgway et al). 1990;163:879-82
- Müller FB (see August et al). 1990;163:1612-21
- Munkvad S (see Gram et al). 1990;163:438-42 (Symposium)
- Murphy A (see Xu et al). 1990;163:1493-7
- Murray C (see Devoe et al). 1990;163:1156-61
- Mutch DG, Massad LS, Kao M-S, Collins JL. Proliferative and antiproliferative effects of interferon- γ and tumor necrosis factor- α on cell lines derived from cervical and ovarian malignancies. 1990;163:1920-4
- Mutch L (see Dennis et al). 1990;163:267 (Letter reply)
- Myatt L (see Bennett et al). 1990;163:241-2 (Letter)
- Myers SA (see Ferguson and Myers). 1990;163:1222-30

N

- Nachtigall L (see Goldstein et al). 1990;163:119-23
- Nachtigall M (see Goldstein et al). 1990;163:119-23
- Naessens A (see Foulon et al). 1990;163:1511-3
- Nagamani M, Stuart CA. Specific binding sites for insulin-like growth factor I in the ovarian stroma of women with polycystic ovarian disease and stromal hyperthecosis. 1990;163:1992-7
- Nageotte MP (see Asrat et al). 1990;163:887-9
- (see Briggs et al). 1990;163:251-2 (Letter reply)
- (see Harding et al). 1990;163:1566-8
- (see Lewis et al). 1990;163:773-5
- (see Mills et al). 1990;163:1568-74
- (see Steiger and Nageotte). 1990;163:808-12
- (see Towers et al). 1990;163:965-7
- Nagey DA. Appropriate screening tests. 1990;163:688 (Letter)
- Can shoulder dystocia be prevented? 1990;163:1095 (Letter)
- Nakano H (see Horimoto et al). 1990;163:1480-4
- Nakayama DK. Survival in a fetus with sacrococcygeal teratoma and hydrops. 1990;163:682 (Letter)
- Nathanielsz PW (see Copel et al). 1990;163:751-6
- (see Figueroa et al). 1990;163:648-54
- Naz RK, Chaudhry A, Witkin SS. Lymphocyte proliferative response to fertilization antigen in patients with antisperm antibodies. 1990;163:610-3
- Need AG (see Nordin et al). 1990;163:140-5
- Neilson JP. Twin-to-twin transfusion syndrome. 1990;163:677-8 (Letter reply)
- Nelson GH. Amniotic fluid midtrimester delta optical density measurements at 450 nm in Rh disease. 1990;163:710-1 (Letter)
- Nemes J (see Lenke et al). 1990;163:995-8
- Nerenberg A (see Tibaldi et al). 1990;163:509-10
- Nervetti G (see Rovati et al). 1990;163:1490-2
- Ness PM (see Witter et al). 1990;163:784-6
- Nestler JE, Singh R, Matt DW, Clore JN, Blackard WG. Suppression of serum insulin level by diazoxide does not alter serum testosterone of sex hormone-binding globulin levels in healthy, nonobese women. 1990;163:1243-6
- Neuman M (see Langer et al). 1990;163:1139-41
- Newton ER (see Berkus et al). 1990;163:1812-7
- (see Ridgway et al). 1990;163:879-82

- Neymeyer-Leloux AN (see Gevers Leuven et al). 1990;163:358-62 (Symposium)
- (see Gevers Leuven et al). 1990;163:1410-3 (Symposium)
- Nicol SL (see Witter et al). 1990;163:784-6
- Nicolaides KH (see Ribbert et al). 1990;163:569-71
- (see Rizzo et al). 1990;163:1231-8
- Nicolini U, Fisk NM, Rodeck CH. Normal amniotic pressure in oligohydramnios after preterm rupture of membranes. 1990;163:1104 (Letter reply)
- , Tannirandorn Y, Gonzalez P, Fisk NM, Beecham J, Letsky EA, Rodeck CH. Continuing controversy in alloimmune thrombocytopenia: fetal hyperimmunoglobulinemia fails to prevent thrombocytopenia. 1990;163:1144-6
- Nicosia S (see LaPolla et al). 1990;163:1055-60
- Nielsen OH (see Beck-Nielsen et al). 1990;163:292-5 (Symposium)
- Nikolis A (see Koutsilieris et al). 1990;163:1665-70
- Nobunaga T, Azuma C, Kimura T, Tokugawa Y, Take-mura M, Kamiura S, Saji F, Tanizawa O. Differential diagnosis between complete mole and hydropic abortus by deoxyribonucleic acid fingerprints. 1990;163:634-8
- Noda S-i (see Koike et al). 1990;163:696 (Letter)
- Nordin BEC, Morris HA, Need AG, Horowitz M, Robertson WG. Relationship between plasma calcium fractions, other bone-related variables, and serum follicle-stimulating hormone levels in premenopausal, perimenopausal, and postmenopausal women. 1990;163:140-5
- Nores J (see Romero et al). 1990;163:757-61
- (see Romero et al). 1990;163:823-5
- (see Romero et al). 1990;163:968-74
- Nosari AM (see Baudou et al). 1990;163:1274-5
- Nozawa S. Flow cytometric quantitation of tumor-associated antigens in solid tumors. 1990;163:699 (Letter reply)
- Nsieh R-P (see Ho et al). 1990;163:178-88
- Nugent CE (see Andersen et al). 1990;163:859-67
- Nyborg DA (see Mahony et al). 1990;163:1513-22

O

- O'Brien TJ (see Hardardottir et al). 1990;163:1925-31
- O'Brien WF, Knuppel RA, Torres C, Sternlicht D. Potential prenatal predictions of Down syndrome: a statistical analysis. 1990;163:1796-8
- (see Carlan et al). 1990;163:490-3
- O'Connor M (see Saving et al). 1990;163:1369-70 (Letter)
- Odom LD, Plouffe L Jr, Butler WJ. 5-Fluorouracil exposure during the period of conception: report on two cases. 1990;163:76-7
- Oetomo SB (see Tabor et al). 1990;163:669-76
- Ojomo EO, Coustan DR. Absence of evidence of pulmonary maturity at amniocentesis in term infants of diabetic mothers. 1990;163:954-7
- O'Kell RT (see Thorp et al). 1990;163:607-9
- O'Leary JA. Can shoulder dystocia be predicted? 1990;163:680 (Letter reply)
- Can shoulder dystocia be prevented? 1990;163:1095-6 (Letter reply)
- Olsfanger D (see Jedeikin and Olsfanger). 1990;163:2029-30 (Letter reply)
- Olson DR (see Safilas et al). 1990;163:460-5
- Olt GJ (see Soper et al). 1990;163:1204-9
- Ordridge RJ (see Johnson et al). 1990;163:601-7
- Ordorica SA (see Frieden et al). 1990;163:830-3
- (see Hoskins et al). 1990;163:1944-7
- Orme ML'E, Back DJ. Factors affecting the enterohepatic cir-

- culation of oral contraceptive steroids. 1990;163:2146-52 (Symposium)
 — (see Back et al). 1990;163:2138-45 (Symposium)
 Orr JW Jr, Orr PF, Barrett JM, Ellington JR Jr, Jennings RH Jr, Paredes KB, Patsner B, Taylor DL. Continuous or interrupted fascial closure: a prospective evaluation of No.1 Maxon suture in 402 gynecologic procedures. 1990;163:1485-9
 Orr PF (see Orr et al). 1990;163:1485-9
 Oskarsson T (see Dimitry et al). 1990;163:244-5 (Letter)
 Ospitia JA (see Cabrera et al). 1990;163:2025 (Letter)
 Osteen KG, Anderson TL, Hargrove JT, Hill GA, Gorstein F. Epithelial cells from normal human endometrium express a tumor-associated glycoprotein (TAG-72) epitope in vitro. 1990;163:479-84
 Ostrea EM Jr (see Reyes and Ostrea). 1990;163:1376 (Letter reply)
 Ouano L (see Wilson et al). 1990;163:195-202
 Oury JF (see Cabrol et al). 1990;163:540-2
 Owen J, Baker SL, Hauth JC, Goldenberg RL, Davis RO, Copper RL. Is indicated or spontaneous preterm delivery more advantageous for the fetus? 1990;163:868-72
 —, Goldenberg RL, Davis RO, Kirk KA, Copper RL. Evaluation of a risk scoring system as a predictor of preterm birth in an indigent population. 1990;163:873-9
 —, —, —, —, —. Evaluation of a risk scoring system as a predictor of preterm birth in an indigent population (1990;163:873-9). 1990;163:2030 (Correction)
 Owiny JR, Fitzpatrick RJ. Effect of intravaginal application of prostaglandin E₂ gel on the mechanical properties of the ovine cervix uteri at term. 1990;163:657-60
- P
- Palan PR (see Basu et al). 1990;163:1948-52
 Paldi E (see Goldstein et al). 1990;163:1261-3
 Palmer SM (see Dickinson et al). 1990;163:1831-5
 — (see Roti et al). 1990;163:1828-30
 Palmer TV (see Roudebush et al). 1990;163:1670-3
 Palomaki GE (see Haddow et al). 1990;163:1372 (Letter)
 — (see Johnson et al). 1990;163:9-11
 Palow D (see Burkett et al). 1990;163:40-1
 Palti Z. Treatment of cervical pregnancy with methotrexate. 1990;163:694 (Letter reply)
 Pansky M (see Raziell et al). 1990;163:1182-5
 Papenhausen P (see Carlan et al). 1990;163:490-3
 Papoz L (see Simon et al). 1990;163:382-7 (Symposium)
 Paredes KB (see Orr et al). 1990;163:1485-9
 Parent A, Schiffrin EL, St-Louis J. Role of the endothelium in adrenergic responses of mesenteric artery rings of pregnant rats. 1990;163:229-34
 Parisi VM (see Dickinson et al). 1990;163:1831-5
 — (see Thorp and Parisi). 1990;163:248-9 (Letter reply)
 Parker WH, Berek JS. Management of selected cystic adnexal masses in postmenopausal women by operative laparoscopy: a pilot study. 1990;163:1574-7
 Parks JS (see Adams et al). 1990;163:1388-92 (Symposium)
 Parmley TH II (see Hardardottir et al). 1990;163:1925-31
 Parsons MT (see Wilson et al). 1990;163:195-202
 — (see Wilson et al). 1990;163:1875-82
 Pascoe-Mason J (see Droste et al). 1990;163:158-61
 Pasic R, Wolfe WM. Laparoscopic diagnosis and treatment of interstitial ectopic pregnancy: a case report. 1990;163:587-8
 Passaris G (see Brown et al). 1990;163:1154-6
 Patalas E (see McCoshen et al). 1990;163:81-5
 Patel J (see Harding et al). 1990;163:1566-8
 Pater EA (see Low et al). 1990;163:1131-5
 Patsner B. A comment on thumbtacks for hemorrhage control. 1990;163:1093 (Letter reply)
 — (see Orr et al). 1990;163:1485-9
 Patterson RM (see Ridgway et al). 1990;163:879-82
 — (see Wright et al). 1990;163:748-50
 — (see Wright et al). 1990;163:889-92
 Paul RH (see Kjos et al). 1990;163:898-903
 — (see Posner et al). 1990;163:813-8
 — (see Strong et al). 1990;163:1370-1 (Letter reply)
 Paulick RP, Meyers RL, Rudolph CD, Rudolph AM. Venous and hepatic vascular responses to indomethacin and prostaglandin E₂ in the fetal lamb. 1990;163:1357-63
 Paulson RJ, Sauer MV, Lobo RA. Factors affecting embryo implantation after human in vitro fertilization: a hypothesis. 1990;163:2020-3
 — (see Sauer and Paulson). 1990;163:1421-4 (Clin. opinion)
 Pawson IG (see Green et al). 1990;163:86-92
 Payne FG (see Thorp et al). 1990;163:655-6
 Payraudeau PH (see Basu et al). 1990;163:1948-52
 Pearse WH. A conceptual thought. 1990;163:1098 (Letter)
 Pechlaner C (see Kunz et al). 1990;163:417-20 (Symposium)
 Peisner DB (see Guy et al). 1990;163:723-7
 Peretz BA (see Goldstein et al). 1990;163:1261-3
 Pergament E (see Ginsberg et al). 1990;163:1186-90
 Perry J (see Green et al). 1990;163:86-92
 Persutte WH (see Lenke et al). 1990;163:995-8
 Peters MT (see Trimmer et al). 1990;163:1900-3
 Petersen KR (see Jespersen et al). 1990;163:396-403 (Symposium)
 — (see Skouby et al). 1990;163:343-8 (Symposium)
 Peterson HB (see Sanchez-Ramos et al). 1990;163:1081-8
 Peterson IM, Braak B. Intrapartum uterine rupture and inflammatory bowel disease. 1990;163:1247-8
 Petion AM (see Gouyon and Petion). 1990;163:1375 (Letter)
 Petraglia F, Garuti GC, De Ramundo B, Angioni S, Genazzani AR, Bilezikjian LM. Mechanism of action of interleukin-1 β in increasing corticotropin-releasing factor and adrenocorticotropin hormone release from cultured human placental cells. 1990;163:1307-12
 Petrella A (see Curiel et al). 1990;163:538-9
 Petrie RH (see Shyken et al). 1990;163:802-7
 Petrikovsky BM, Cohen M, Tancer ML. Fetal heart rate monitoring during cesarean section. 1990;163:253 (Letter reply)
 Petty CN (see Mahony et al). 1990;163:1513-22
 Pfeffer M (see Hümpel et al). 1990;163:329-33 (Symposium)
 Pham FK (see Samaan et al). 1990;163:1836-9
 Philipson E (see Kalhan et al). 1990;163:250-1 (Letter reply)
 Phillips A (see McGuire et al). 1990;163:2127-31 (Symposium)
 Phillips CB (see Smith et al). 1990;163:845-7
 Phillips OP (see Shulman et al). 1990;163:1606-9
 Piacquadio KM, Brace RA, Cheung CY. Role of vasopressin in mediation of fetal cardiovascular responses to acute hypoxia. 1990;163:1294-300
 — (see Andres et al). 1990;163:935-8
 — (see Andres et al). 1990;163:1551-3
 — (see Moore and Piacquadio). 1990;163:264-5 (Letter reply)
 Pieroni G (see Riveros et al). 1990;163:704-5 (Letter)
 Pietrantoni M (see Carlan et al). 1990;163:490-3
 Pinckert TL, Lebo RV, Golbus MS. Rapid determination of fetal sex. 1990;163:684 (Letter reply)
 Pinto S (see Abbate et al). 1990;163:424-9 (Symposium)
 Pipkin FB (see Baker et al). 1990;163:175-6

- Pirron RA (see Towers et al). 1990;163:965-7
Pittaway DE. The use of serial CA 125 concentrations to monitor endometriosis in infertile women. 1990;163:1032-7
Piura B (see Glezerman et al). 1990;163:704 (Letter reply)
Plapp FV (see Thorp et al). 1990;163:607-9
Platt LD (see Carlson et al). 1990;163:1785-7
Plessinger MA, Woods JR Jr. Progesterone increases cardiovascular toxicity to cocaine in nonpregnant ewes. 1990;163:1659-64
Plosker S (see Jaffe et al). 1990;163:1727-31 (Symposium)
Plouffe L Jr (see Odom et al). 1990;163:76-7
Pokras R (see Saftlas et al). 1990;163:460-5
Polk BF (see Harger et al). 1990;163:130-7
Pollack KL, Chestnut DH, Weiner CP, Thompson CS, DeBruyn CS. Magnesium sulfate and promethazine do not interact to cause hypotension in gravid ewes. 1990;163:787-94
Pollow K (see Juchem and Pollow). 1990;163:2171-83 (Symposium)
Pool R (see Ernest et al). 1990;163:978-80
Posner MD, Ballagh SA, Paul RH. The effect of amniocentesis on uterine pressure and activity: a preliminary report. 1990;163:813-8
Powell C (see Smith et al). 1990;163:567-9
Pridjian G, Moawad AH. Pregnancy loss terminology. 1990;163:246 (Letter reply)
Pritchard JA (see Cunningham et al). 1990;163:453-9
Pritchard JR (see Choi and Pritchard). 1990;163:74-6
Provencher DM (see Rubin et al). 1990;163:69-73
Puistola U, Risteli L, Risteli J, Kauppi A. Collagen metabolism in gynecologic patients: changes in the concentration of the aminoterminal propeptide of type III procollagen in serum. 1990;163:1276-81
Pulkkinen M, Jaakkola U-M. The complex nature of egg transport through the oviduct. 1990;163:687-8 (Letter reply)
Punch MR, Ansbacher R. Autogenic masculinization. 1990;163:114-6
Puppa AD, Torre LD, Favretti L. The local anesthetic dose is an important issue in evaluation of effects of epidural analgesia in nulliparous women. 1990;163:701-2 (Letter)

Q

- Queenan J. Amniotic fluid trimester delta optical density measurements at 450 nm in Rh disease. 1990;163:711-2 (Letter reply)
Quinn DL (see Rodis et al). 1990;163:1168-71
Quirk JG (see Catanzarite and Quirk). 1990;163:1191-5
— (see Clark and Quirk). 1990;163:1367-8 (Letter)
Quirk JG Jr (see Hardardottir et al). 1990;163:1925-31
Qvist I (see Bergink et al). 1990;163:2132-7 (Symposium)

R

- Rajabi MR, Dean DD, Woessner JF Jr. Changes in active and latent collagenase in human placenta around the time of parturition. 1990;163:499-503
Rajendran V (see Al Kasab et al). 1990;163:37-40
Ramos E (see Devoe et al). 1990;163:1156-61
Rankin SE (see Jayo et al). 1990;163:614-8
Rao CV, Yussman MA, Hussa RO. Stability of human chorionic gonadotropin and its α -subunit. 1990;163:1098-9 (Letter)
Raskinet R (see David et al). 1990;163:420-3 (Symposium)
Rayburn WF (see Egarter et al). 1990;163:794-6
— (see Smith et al). 1990;163:845-7
Raziel A, Golan A, Pansky M, Ron-El R, Bukovsky I, Caspi E.

- Ovarian pregnancy: a report of 20 cases in one institution. 1990;163:1182-5
Read JA (see Christian et al). 1990;163:848-55
Rech S (see Chatwani et al). 1990;163:240 (Letter)
Redaelli R (see Baudo et al). 1990;163:1274-5
Reece EA, Gabrielli S, Cullen MT, Zheng X-Z, Hobbins JC, Harris EN. Recurrent adverse pregnancy outcome and antiphospholipid antibodies. 1990;163:162-9 (Curr. dev.)
Reed KL (see Indik and Reed). 1990;163:1792-6
Refn H, Kjæer A, Lebech A-M, Borggaard B, Schierup L, Bremmelgaard A. Metabolic changes during treatment with two different progestogens. 1990;163:374-7 (Symposium)
Reichman BS (see Rubin et al). 1990;163:69-73
Rein MS (see Friedman et al). 1990;163:1114-9 (Clin. opinion)
Reiter AA (see Smith et al). 1990;163:567-9
Reiter RC (see Gambone et al). 1990;163:545-50
Rekers H (see Kloosterboer and Rekers). 1990;163:370-3 (Symposium)
Repke JT (see Villar and Repke). 1990;163:1124-31
Resano FG (see Burke et al). 1990;163:17-8
Resnick MB, Ariet M. Mortality rates ignore population segment. 1990;163:269-70 (Letter reply)
Resnik R (see Andres et al). 1990;163:935-8
— (see Andres et al). 1990;163:1551-3
— (see Gilbert et al). 1990;163:998-9
Reuwen A. Prediction of residual trophoblastic tissue in first-trimester abortions: the role of transvaginal Doppler ultrasonography. 1990;163:2024-5 (Letter)
Reyes MP, Ostrea EM Jr. Toxicity of vancomycin given during pregnancy. 1990;163:1376 (Letter reply)
Ribbert LSM, Snijders RJM, Nicolaides KH, Visser GHA. Relationship of fetal biophysical profile and blood gas values at cordocentesis in severely growth-retarded fetuses. 1990;163:569-71
Richards DS (see Johnson and Richards). 1990;163:1364 (Letter reply)
Richart RM (see Ferenczy et al). 1990;163:1271-4
Richter R (see McGregor et al). 1990;163:1465-73
— (see McGregor et al). 1990;163:1580-91
Ricker DD (see Roudebush et al). 1990;163:1670-3
Ridgway LE (see Wright and Ridgway). 1990;163:1788-91
Ridgway LE III, Muise K, Wright JW, Patterson RM, Newton ER. A prospective randomized comparison of oral terbutaline and magnesium oxide for the maintenance of tocolysis. 1990;163:879-82
— (see Wright et al). 1990;163:748-50
— (see Wright et al). 1990;163:889-92
Riley SC (see Cheung et al). 1990;163:1445-9
Risteli J (see Puistola et al). 1990;163:1276-81
Risteli L (see Puistola et al). 1990;163:1276-81
Ritchie JWK (see Morrow et al). 1990;163:1313-20
Riveros DA, Grand BE, Blanco AN, Pieroni G, Lazzari M, Voto LS. Laboratory identification of the lupus anticoagulant in normal pregnancy and pregnancy-induced hypertension. 1990;163:704-5 (Letter)
Rizk B. Embryo migration responsible for ectopic pregnancies. 1990;163:1369 (Letter)
Rizzo G, Nicolaides KH, Arduini D, Campbell S. Effects of intravascular fetal blood transfusion on fetal intracardiac Doppler velocity waveforms. 1990;163:1231-8
Rizzo T, Freinkel N, Metzger BE, Hatcher R, Burns WJ, Barglow P. Correlations between antepartum maternal metabolism and newborn behavior. 1990;163:1458-64
Roberts A (see Romero et al). 1990;163:823-5
Roberts AB, Mitchell JM. Direct ultrasonographic measure-

- ment of fetal lung length in normal pregnancies and pregnancies complicated by prolonged rupture of membranes. 1990;163:1560-6
- Roberts JM, Taylor RN. Preeclampsia—An endothelial cell disorder plus “something else”? 1990;163:1366 (Letter reply)
- (see Taylor et al). 1990;163:1839-44
- Roberts WS (see Cavanagh et al). 1990;163:1007-15
- (see LaPolla et al). 1990;163:1055-60
- Robertson PA (see Combs et al). 1990;163:100-4
- Robertson WG (see Nordin et al). 1990;163:140-5
- Robinson C (see Meizner et al). 1990;163:128-9
- Robinson GE (see Stewart et al). 1990;163:1196-9
- Rock JA (see Xu et al). 1990;163:1493-7
- Rodeck CH (see Nicolini et al). 1990;163:1104 (Letter reply)
- (see Nicolini et al). 1990;163:1144-6
- Rodis JF, Quinn DL, Gary GW Jr, Anderson LJ, Rosengren S, Carter ML, Campbell WA, Vintzileos AM. Management and outcomes of pregnancies complicated by human B19 parvovirus infection: a prospective study. 1990;163:1168-71
- Rodriguez J (see Moretti et al). 1990;163:833-8
- Rodway MR, Yuen BH, Leung PCK. Inhibition of aromatase activity by 8-bromo-cyclic adenosine monophosphate in cultured first-trimester human trophoblast. 1990;163:1546-51
- Roe DA, Little BB, Bawdon RE, Gilstrap LC III. Metabolism of cocaine by human placentas: implications for fetal exposure. 1990;163:715-8
- (see Harstad et al). 1990;163:912-6
- Rogo K (see Stendahl and Rogo). 1990;163:685-6 (Letter)
- Romero K (see Macri et al). 1990;163:1248-53
- Romero R, Hsu YC, Athanassiadis AP, Hagay Z, Avila C, Nores J, Roberts A, Mazor M, Hobbins JC. Preterm delivery: a risk factor for retained placenta. 1990;163:823-5
- , Jimenez C, Lohda AK, Nores J, Hanaoka S, Avila C, Callahan R, Mazor M, Hobbins JC, Diamond MP. Amniotic fluid glucose concentration: a rapid and simple method for the detection of intraamniotic infection in preterm labor. 1990;163:968-74
- , Shamma F, Avila C, Jimenez C, Callahan R, Nores J, Mazor M, Brekus CA, Hobbins JC. Infection and labor. VI. Prevalence, microbiology, and clinical significance of intraamniotic infection in twin gestations with preterm labor. 1990;163:757-61
- Romney SL (see Basu et al). 1990;163:1948-52
- Ron-El R (see Raziel et al). 1990;163:1182-5
- Rosati D (see Abbate et al). 1990;163:424-9 (Symposium)
- Rose JC (see Cuthrell et al). 1990;163:170-4
- (see Hatjis et al). 1990;163:45-50
- Rosenfeld CR (see Brown et al). 1990;163:1853-61
- Rosenfield A (see Chavkin and Rosenfield). 1990;163:450-2 (Clin. opinion)
- Rosengren S (see Rodis et al). 1990;163:1168-71
- Rosenn B (see Stamler et al). 1990;163:1217-21
- Ross GS (see Lipper et al). 1990;163:146-50
- Ross MG. Dehydration-induced oligohydramnios. 1990;163:1091-2 (Letter)
- (see Cardin et al). 1990;163:1345-9
- Rossi E (see Kalhan et al). 1990;163:250-1 (Letter reply)
- Rostagno C (see Abbate et al). 1990;163:424-9 (Symposium)
- Rote NS, Dostal-Johnson D, Branch DW. Antiphospholipid antibodies and recurrent pregnancy loss: correlation between the activated partial thromboplastin time and antibodies against phosphatidylserine and cardiolipin. 1990;163:575-84
- Roth JB, Thorp JA, Palmer SM, Brath PC, Walsh SW, Crandell SS. Response of placental vasculature to high glucose levels in the isolated human placental cotyledon. 1990;163:1828-30
- Roudebush WE, Minhas BS, Ricker DD, Palmer TV, Dodson MG. Platelet activating factor enhances in vitro fertilization of rabbit oocytes. 1990;163:1670-3
- Roussis P (see Jeanty et al). 1990;163:50-1
- Rovati V, Faleschini E, Vercellini P, Nervetti G, Tagliabue G, Benzi G. Endometrioma of the liver. 1990;163:1490-2
- Rozas L (see Katz et al). 1990;163:1142-3
- Rubin SC, Finstad CL, Hoskins WJ, Saigo PE, Provencher DM, Federici MG, Hakes TB, Markman M, Reichman BS, Lloyd KO, Lewis JL Jr. Expression of P-glycoprotein in epithelial ovarian cancer: evaluation as a marker of multidrug resistance. 1990;163:69-73
- Rubinstein A (see Minkoff et al). 1990;163:1598-604
- Rubio E (see Martinez-Mir et al). 1990;163:189-95
- Rudolph AM (see Paulick et al). 1990;163:1357-63
- Rudolph CD (see Paulick et al). 1990;163:1357-63
- Ruffolo E (see LaPolla et al). 1990;163:1055-60
- Rushant S (see Mooney et al). 1990;163:30-6
- Ryan G. Phenytoin and magnesium sulfate in eclampsia. 1990;163:1090-1 (Letter reply)
- Rydström H. Prognosis for twins with birth weight 1500 gm: the impact of cesarean section in relation to fetal presentation. 1990;163:528-33
- S
- Sabag T (see Al Kasab et al). 1990;163:37-40
- Sabbagha RE (see Keller et al). 1990;163:893-7
- Sadiq F (see Devaskar et al). 1990;163:1350-6
- Sadler TW (see Smoak and Sadler). 1990;163:619-24
- Sadovsky Y, Amon E. Amnioinfusion and prevention of meconium aspiration syndrome. 1990;163:259 (Letter reply)
- Saftlas AF, Olson DR, Franks AL, Atrash HK, Pokras R. Epidemiology of preeclampsia and eclampsia in the United States, 1979-1986. 1990;163:460-5
- Saigo PE (see Rubin et al). 1990;163:69-73
- St-Louis J (see Parent et al). 1990;163:229-34
- Saint-Paul M (see Simon et al). 1990;163:382-7 (Symposium)
- Saji F (see Nobunaga et al). 1990;163:634-8
- Sakata M, Terakawa N, Mizutani T, Tanizawa O, Matsumoto K, Terada N, Sudo K. Effects of danazol, gonadotropin-releasing hormone agonist, and a combination of danazol and gonadotropin-releasing hormone agonist on experimental endometriosis. 1990;163:1679-84
- Salafia CM, Vintzileos AM. Why all placentas should be examined by a pathologist in 1990. 1990;163:1282-93 (Curr. dev.)
- (see Cullen et al). 1990;163:466-76
- Saller DN Jr, Keene CL, Sun C-CJ, Schwartz S. The association of single umbilical artery with cytogenetically abnormal pregnancies. 1990;163:922-5
- Salwen M (see Minkoff et al). 1990;163:521-6
- Sarnaana NA, Schultz PN, Pham FK. Insulin-like growth factor II and nonsuppressible insulin-like activity levels in newborns. 1990;163:1836-9
- Sarnsioe G, Mattsson L-[oc]A. Some aspects of the relationship between oral contraceptives, lipid abnormalities, and cardiovascular disease. 1990;163:354-8 (Symposium)
- Samuels SJ (see Gillogley et al). 1990;163:1535-42
- Sanchez-Ramos L, Kaunitz AM, Peterson HB, Martinez-Schnell B, Thompson RJ. Reducing cesarean sections at a teaching hospital. 1990;163:1081-8

- (see Johnston et al). 1990;163:743-7
- Sanders MM (see Hardardottir et al). 1990;163:1925-31
- Santen RJ (see Wild et al). 1990;163:1998-2005
- Santoro N. Efficacy and safety of intravenous pulsatile gonadotropin-releasing hormone: Lutrepulse for injection. 1990;163:1759-64 (Symposium)
- Sanyal MK (see Grifo et al). 1990;163:2013-9
- Sarno AP Jr (see Letterie et al). 1990;163:1100 (Letter)
- Sasaki A. Corticotropin-releasing hormone in amniotic fluid. 1990;163:1102-3 (Letter reply)
- Satah S (see Horimoto et al). 1990;163:1480-4
- Sauer MV, Paulson RJ. Human oocyte and preembryo donation: an evolving method for the treatment of infertility. 1990;163:1421-4 (Clin. opinion)
- (see Paulson et al). 1990;163:2020-3
- Saving KL, McLaren RA, Miller TC, O'Connor M. Responsibility expands to extended family members. 1990;163:1369-70 (Letter)
- Savvas M (see Studd et al). 1990;163:1474-9
- Sawyer W (see Al Kasab et al). 1990;163:37-40
- Schaffer AV (see Cardin et al). 1990;163:1345-9
- Schatzki SC (see Korn et al). 1990;163:596-8
- Scheen AJ (see Jandrain et al). 1990;163:378-81 (Symposium)
- Schiedermaier DL (see La Puma et al). 1990;163:680 (Letter reply)
- Schierup L (see Refn et al). 1990;163:374-7 (Symposium)
- Schiff E, Moran O, Ben-Baruch G, Menczer J. Measures of test performance and predictive values. 1990;163:1375 (Letter reply)
- Schiffman JS (see Digre et al). 1990;163:1848-52
- Schiffman EL (see Parent et al). 1990;163:229-34
- Schlafer D (see Copel et al). 1990;163:751-6
- Schlaff W (see Xu et al). 1990;163:1493-7
- Schlesselman JJ. Oral contraceptives and breast cancer. 1990;163:1379-87 (Symposium)
- Schnatterly PT (see Hogge et al). 1990;163:698 (Letter reply)
- Schneider D (see Larger et al). 1990;163:1139-41
- Schoonmaker J (see McGregor et al). 1990;163:1580-91
- Schriock ED. Practical aspects of pulsatile gonadotropin-releasing hormone administration. 1990;163:1765-70 (Symposium)
- Schultz PN (see Samaan et al). 1990;163:1836-9
- Schumacher LB (see Green et al). 1990;163:86-92
- Schütt B (see Hümpel et al). 1990;163:329-33 (Symposium)
- Schutz T (see Ferguson et al). 1990;163:105-11
- Schwartz S (see Saller et al). 1990;163:922-5
- Sciarra JJ (see Valle and Sciarra). 1990;163:1106-7 (Letter reply)
- Scott JR (see Branch and Scott). 1990;163:245-6 (Letter)
- Scott RT (see Hankins et al). 1990;163:728-32
- Scully RE (see Korn et al). 1990;163:596-8
- Sealey JE (see August et al). 1990;163:1612-21
- Sedlis A (see Hoegsberg et al). 1990;163:1135-9
- Seeds JW (see Watson et al). 1990;163:1456-7
- Seeley DG (see Cauley et al). 1990;163:1438-44
- Seifer DB, Jones EE. Parameters of hypothalamic aging. 1990;163:1715 (Letter)
- Seifert W (see Hümpel et al). 1990;163:329-33 (Symposium)
- Senan C (see Simon et al). 1990;163:382-7 (Symposium)
- Seo K (see McGregor et al). 1990;163:1580-91
- Sert MB. Role of hormones in cervical ripening. 1990;163:705-7 (Letter)
- Sever JL. The importance of considering clinical usefulness in the evaluation of medical laboratory tests. 1990;163:678-9 (Letter)
- Shah DM, Chaffin D. Twin transfusion syndrome. 1990;163:1377 (Letter reply)
- (see Jeanty et al). 1990;163:50-1
- Shahed M (see Al Kasab et al). 1990;163:37-40
- Shamma F (see Romero et al). 1990;163:757-61
- Shanklin DR, Sibai BM. Ultrastructural aspects of preeclampsia. II. Mitochondrial changes. 1990;163:943-53
- (see Barton et al). 1990;163:534-8
- Shaver D (see Moretti et al). 1990;163:833-8
- Shekter CB (see Matsumoto et al). 1990;163:1743-51 (Symposium)
- Shepard TH (see Droste et al). 1990;163:158-61
- Shepherd JH (see van Dam et al). 1990;163:698-9 (Letter)
- Sherer DM. Treatment of cervical pregnancy with methotrexate. 1990;163:693-4 (Letter)
- , Abramowicz JS. Possible therapeutic applications of cordocentesis. 1990;163:1366-7 (Letter)
- , Cullen JBH, Thompson HO, Woods JR Jr. Dehydration-induced oligohydramnios. 1990;163:1092 (Letter reply)
- (see Sites et al). 1990;163:1630-1
- Sherman ML (see Cox et al). 1990;163:767-72
- Shettles LB. How sperm commence movement and their isolation for in vitro fertilization and sex selection. 1990;163:270 (Letter)
- , Tubal embryo successfully transferred in utero. 1990;163:2026-7 (Letter)
- Shimonovitz S (see Ben-Chetrit et al). 1990;163:1161-3
- Shiono PH (see Klebanoff et al). 1990;163:1450-6
- Shirakawa K (see Izumi et al). 1990;163:638-47
- Shirey RS (see Witter et al). 1990;163:784-6
- Shively CA (see Adams et al). 1990;163:1388-92 (Symposium)
- Sholl JS (see Silver et al). 1990;163:917-22
- Shoupe D, Mishell DR Jr, Fossum G, Bopp B, Spitz IM, Lobo RA. Antiprogesterin treatment decreases midluteal luteinizing hormone pulse amplitude and primarily exerts a pituitary inhibition. 1990;163:1982-5
- (see Kjos et al). 1990;163:1822-7
- Shulman LP, Tharapel AT, Meyers CM, Phillips OP, Simpson JL, Elias S. Direct analysis of uncultured cytotrophoblastic cells from second- and third-trimester placentas: an accurate and rapid method for detection of fetal chromosome abnormalities. 1990;163:1606-9
- Shultz KL (see Tennent et al). 1990;163:625-34
- Shyken JM, Smeltzer JS, Baxi LV, Blakemore KJ, Ambrose SE, Petrie RH. A comparison of the effect of epidural, general, and no anesthesia on funic acid-base values by stage of labor and type of delivery. 1990;163:802-7
- Sibai BM. Eclampsia. VI. Maternal-perinatal outcome in 254 consecutive cases. 1990;163:1049-55
- , HELLP does not always mean immediate HELP! 1990;163:1089 (Letter reply)
- , Magnesium sulfate is not an ideal anticonvulsant. 1990;163:1715 (Letter reply)
- , Magnesium supplementation in pregnancy. 1990;163:241 (Letter reply)
- , Akl S, Fairlie F, Moretti M. A protocol for managing severe preeclampsia in the second trimester. 1990;163:733-8
- (see Barton et al). 1990;163:534-8
- (see Feldman et al). 1990;163:855-8
- (see Mabie et al). 1990;163:1861-7
- (see Moretti et al). 1990;163:833-8
- (see Moretti et al). 1990;163:1844-8
- (see Shanklin and Sibai). 1990;163:943-53
- Sicuranza B (see Bardeguet et al). 1990;163:42-5

- Siddiqi T (see Stamler et al). 1990;163:1217-21
- Silver HM, Gibbs RS, Gray BM, Dillon HC. Risk factors for perinatal group B streptococcal disease after amniotic fluid colonization. 1990;163:19-25
- Silver RK, MacGregor SN, Sholl JS, Hobart ED, Waldee JK. An evaluation of the chorionic villus sampling learning curve. 1990;163:917-22
- , Turbov JM, Beaird JA, Golbus J. Soluble factors produced by isolated first-trimester chorionic villi directly inhibit proliferation of T cells. 1990;163:1914-9
- Simke JP (see Cardin et al). 1990;163:1345-9
- Simon D, Senan C, Garnier P, Saint-Paul M, Garat E, Thibault N, Papoz L. Effects of oral contraceptives on carbohydrate and lipid metabolisms in a healthy population: the Telecom Study. 1990;163:382-7 (Symposium)
- Simpson JL (see Shulman et al). 1990;163:1606-9
- Sindwani V, Verma RS. Cytogenetic uncertainties surrounding the fragile X in Martin-Bell syndrome. 1990;163:1713-4 (Letter)
- Singh R (see Nestler et al). 1990;163:1243-6
- Sites CK, Sherer DM, Gandell DL, Woods JR Jr. Extensive vulvar and vaginal varicella necessitating abdominal delivery. 1990;163:1630-1
- Sjöblom P (see Lindblom et al). 1990;163:260-1 (Letter reply)
- (see Lindblom et al). 1990;163:694-5 (Letter reply)
- Skajaa K, Svane D, Andersson K-E, Forman A. Effects of magnesium and isradipine on contractile activation induced by the thromboxane A_2 analog U46619 in human uteroplacental arteries in term pregnancy. 1990;163:1323-33.
- Skoll A (see Feldman et al). 1990;163:855-8
- Skouby SO, Andersen O, Petersen KR, Mølsted-Pedersen L, Kühl C. Mechanism of action of oral contraceptives on carbohydrate metabolism at the cellular level. 1990;163:343-8 (Symposium)
- (see Jespersen et al). 1990;163:273 (Symposium)
- (see Jespersen et al). 1990;163:396-403 (Symposium)
- Slade S (see Mills et al). 1990;163:12-7
- Smeltzer JS (see Kivikoski et al). 1990;163:123-8
- (see Shyken et al). 1990;163:802-7
- Smith CV, Rayburn WF, Connor RE, Fredstrom GR, Phillips CB. Double-blind comparison of intravaginal prostaglandin E_2 gel and "chip" for preinduction cervical ripening. 1990;163:845-7
- Smith ER (see Chuong et al). 1990;163:1591-5
- Smith LG Jr, Carpenter RJ Jr, Gonsoulin W, Mari G, Reiter AA, Greenberg F, Powell C. Prenatal diagnosis of a chest wall mass with ultrasonography and Doppler velocimetry: a case report. 1990;163:567-9
- , Kirshon B, Cotton DB. Indomethacin treatment for polyhydramnios and subsequent infantile nephrogenic diabetes insipidus. 1990;163:98-9
- Smoak IW, Sadler TW. Embryopathic effects of short-term exposure to hypoglycemia in mouse embryos in vitro. 1990;163:619-24
- Smythe AR II, McFarland KF, Yousufuddin M, Meredith WD. Multiple endocrine adenomatosis type I in pregnancy. 1990;163:1037-9
- Snijders RJM (see Ribbert et al). 1990;163:569-71
- Snyder JR (see Goldstein et al). 1990;163:119-23
- Snyder S, Cardwell MS. Combination therapy has potential complications. 1990;163:244 (Letter reply)
- Socol ML (see Utter et al). 1990;163:882-6
- (see Utter et al). 1990;163:1781-4
- Soffici A (see Tabor and Soffici). 1990;163:1364-5 (Letter)
- Soisson AP (see Soper et al). 1990;163:1204-9
- Sokol RJ. Use of the T-ACE questions to detect risk-drinking. 1990;163:684-5 (Letter reply)
- Sölder E (see Kunz et al). 1990;163:417-20 (Symposium)
- Sollenberger MJ, Carlsen EC, Booth RA Jr, Johnson ML, Veldhuis JD, Evans WS. Nature of gonadotropin-releasing hormone self-priming of luteinizing hormone secretion during the normal menstrual cycle. 1990;163:1529-34
- Sonek J (see Kniss et al). 1990;163:1883-90
- Songster C (see LaPolla et al). 1990;163:1055-60
- Sonta JA (see Cederna et al). 1990;163:138-9
- Soper DE, Bump RC, Hurt WG. Bacterial vaginosis and trichomoniasis vaginitis are risk factors for cuff cellulitis after abdominal hysterectomy. 1990;163:1016-23
- Soper JT, Berchuck A, Olt GJ, Soisson AP, Clarke-Pearson DL, Bast RC Jr. Preoperative evaluation of serum CA 125, TAG 72, and CA 15-3 in patients with endometrial carcinoma. 1990;163:1204-9
- (see Hunter et al). 1990;163:1164-7
- Sorrells TL (see McColgin et al). 1990;163:1503-5
- Sowers JR, Zemel MB. Intracellular sodium levels in pregnant women with hypertension. 1990;163:262 (Letter reply)
- Spätling L, Fallenstein F. Magnesium supplementation in pregnancy. 1990;163:240-1 (Letter)
- Speizer FE (see Stampfer et al). 1990;163:285-91 (Symposium)
- Spielman FJ (see Thorp et al). 1990;163:655-6
- Spinelli G (see Curiel et al). 1990;163:538-9
- Spitz B (see Brown et al). 1990;163:1853-61
- Spitz IM (see Shoupe et al). 1990;163:1982-5
- Stabler M (see Kjos et al). 1990;163:898-903
- Stale H, Gennser G, Marf(brev)säl K. Blood flow velocity and pulsatile diameter changes in the fetal descending aorta: a longitudinal study. 1990;163:26-9
- Stamler EF, Cruz ML, Mimouni F, Rosenn B, Siddiqi T, Khoury J, Miodovnik M. High infectious morbidity in pregnant women with insulin-dependent diabetes: an understated complication. 1990;163:1217-21
- Stampfer MJ, Willett WC, Colditz GA, Speizer FE, Hennekens CH. Past use of oral contraceptives and cardiovascular disease: a meta-analysis in the context of the Nurses' Health Study. 1990;163:285-91 (Symposium)
- Stanczyk FZ (see Cassidenti et al). 1990;163:1953-60
- Stark CF, Gibbs RS, Freedman WL. Comparison of umbilical artery pH and 5-minute Apgar score in the low-birth-weight and very-low-birth-weight infant. 1990;163:818-23
- Steele B (see Burkett et al). 1990;163:40-1
- Stehling MK (see Johnson et al). 1990;163:601-7
- Steiger RM, Nageotte MP. Effect of uterine contractility and maternal hypotension on prolonged decelerations after bupivacaine epidural anesthesia. 1990;163:808-12
- Steinberg B (see Hümpel et al). 1990;163:329-33 (Symposium)
- Stendahl U, Rogo K. Cervical cancer: Role for progesterone during pregnancy and contraception? 1990;163:685-6 (Letter)
- Stephens JD. Accuracy of apical four-chamber view as screen for congenital heart disease. 1990;163:249-50 (Letter)
- , Rapid determination of fetal sex. 1990;163:683-4 (Letter)
- , Should amniocenteses always accompany unexplained high maternal serum α -fetoprotein levels? Who decides: public agency, patient, or private physician? 1990;163:697-8 (Letter)
- , Ultrasonography's role in detection of intrauterine synchiae. 1990;163:1106 (Letter)
- Stephens P (see Carlan et al). 1990;163:490-3
- Stephenson S (see Thorp et al). 1990;163:607-9

- Stern JL, Major C, Van Le L. Preventing cervical conization by achieving satisfactory colposcopy with hygroscopic cervical dilators. 1990;163:176-7
- Stern MP (see Berkus et al). 1990;163:1812-7
- (see Berkus et al). 1990;163:1818-21
- Sternlicht D (see O'Brien et al). 1990;163:1796-8
- Stevens R (see Minkoff et al). 1990;163:521-6
- Stevenson DK (see Ferguson et al). 1990;163:105-11
- Stewart DE, Robinson GE, Goldbloom DS, Wright C. Infertility and eating disorders. 1990;163:1196-9
- Stewart PA (see van Eyck et al). 1990;163:1239-42
- Stiller RJ. Vaginal probe ultrasonography and ectopic pregnancy. 1990;163:1099-100 (Letter reply)
- Stratton P (see Minkoff et al). 1990;163:1598-604
- Strauss AW (see Long et al). 1990;163:1976-81
- Strickland DM, Whitted WA, Wians FH Jr. Screening infertile women for subclinical hypothyroidism. 1990;163:262-3 (Letter)
- , Yeomans ER, Hankins GDV. Cost-effectiveness of intrapartum screening and treatment for maternal group B streptococci colonization. 1990;163:4-8 (Clin. opinion)
- Strom S (see Kauma et al). 1990;163:1430-7
- Strong TH Jr, Hetzler G, Paul RH. Does prophylactic amniocentesis make a difference? 1990;163:1370-1 (Letter reply)
- Stuart CA (see Nagamani and Stuart). 1990;163:1992-7
- Studd J, Savvas M, Waston N, Garnett T, Fogelman I, Cooper D. The relationship between plasma estradiol and the increase in bone density in postmenopausal women after treatment with subcutaneous hormone implants. 1990;163:1474-9
- Su H-C (see Kniss et al). 1990;163:1883-90
- Sudo K (see Sakata et al). 1990;163:1679-84
- Sudo N (see Takahashi et al). 1990;163:112-3
- Sun C-CJ (see Saller et al). 1990;163:922-5
- Sundberg JP (see Tennent et al). 1990;163:625-34
- Sunderji SG (see Macri et al). 1990;163:1373-4 (Letter reply)
- Suzuki DK, Miller G. Maternal exercise and early pregnancy outcome. 1990;163:1103 (Letter)
- Swane D (see Skajaa et al). 1990;163:1323-33
- Swain M (see Hatjis et al). 1990;163:45-50
- Swindells HE (see Mooney et al). 1990;163:30-6
- Swornowski T (see Cederna et al). 1990;163:138-9
- Symonds EM (see Baker et al). 1990;163:175-6
- (see Johnson et al). 1990;163:601-7
- Szekely Z (see Cabrera et al). 1990;163:2025 (Letter)
- Szekeress-Bartho J, Chaouat G, Kinsky R. A progesterone-induced blocking factor corrects high resorption rates in mice treated with antiprogesterone. 1990;163:1320-1
- Szeto HH, Hinman DJ. Differential sensitivities of fetal muscle groups to *d*-tubocurarine. 1990;163:202-9
- T
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- Thomas K, Vankrieken L. Inhibition of ovulation by low-dose monophasic contraceptive containing gestodene. 1990;163:1404-9 (Symposium)
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Hypothalamic amenorrhea: clinical perspectives, pathophysiology, and management (Liu). 1990;163:1732-6 (Supplement)

Practical aspects of pulsatile gonadotropin-releasing hormone administration (Schriock). 1990;163:1765-70 (Supplement)

American Journal of Obstetrics and Diseases of Women and Children

The first seventy years. 1990;163:1109-10 (Editorial)

American Journal of Obstetrics and Gynecology

The first seventy years. 1990;163:1109-10 (Editorial)

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Calcium supplementation during pregnancy may reduce preterm delivery in high-risk populations (Villar and Repke). 1990;163:1124-31

National High Blood Pressure Education Program Working Group report on high blood pressure in pregnancy. 1990;163:1691-712 (Supplement)

- Relationship between plasma calcium fractions, other bone-related variables, and serum follicle-stimulating hormone levels in premenopausal, perimenopausal, and postmenopausal women (Nordin et al). 1990;163:140-5
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Cefazolin

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- Surgical staples in cesarean section: a randomized controlled trial (Villeneuve et al). 1990;163:1641-6
- Ultrasonographic evaluation of uteroplacental blood flow patterns of abnormally located and adherent placentas (Guy et al). 1990;163:723-7
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- Vaginal birth after cesarean section: an appraisal of the reappraisal (Flamm) (Letter); (Yetman) (Reply). 1990;163:691-2
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- Direct analysis of uncultured cytotrophoblastic cells from second- and third-trimester placentas: an accurate and rapid method for detection of fetal chromosome abnormalities (Shulman et al). 1990;163:1606-9
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Lack of specific placental abnormality associated with cocaine use (Gilbert et al). 1990;163:998-9

Metabolism of cocaine by human placentas: implications for fetal exposure (Roe et al). 1990;163:715-8

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- Comparative studies of 30 µg ethinyl estradiol combined with gestodene and desogestrel on blood coagulation, fibrinolysis, and platelets (Daly and Bonnar). 1990;163:430-7 (Supplement)
- Effects of ethinyl estradiol combined with desogestrel and cyproterone acetate on glucose tolerance and insulin response to an oral glucose load: a one-year randomized, prospective, comparative trial (Jandrain et al). 1990;163:378-81 (Supplement)
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- Enhanced generation and resolution of fibrin in women above the age of 30 years using oral contraceptives low in estrogen (Gram et al). 1990;163:438-42 (Supplement)
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- An epidemiologic survey of cardiovascular disease in women taking oral contraceptives (Thorogood and Vessey). 1990;163:274-81 (Supplement)
- Evidence of heterogeneous mechanisms in lipoprotein lipid alterations in hyperandrogenic women (Wild et al). 1990;163:1998-2005
- Impairment of glucose tolerance: mechanism of action and impact on the cardiovascular system (Beck-Nielsen et al). 1990;163:292-5 (Supplement)
- Low-dose oral contraceptives and carbohydrate metabolism (Godsland et al). 1990;163:348-53 (Supplement)
- Oral contraception in disease states (Breckwoldt et al). 1990;163:2213-6 (Symposium)
- Prevalence and determinants of estrogen replacement therapy in elderly women (Cauley et al). 1990;163:1438-44

Coronary vessels, physiopathology

- Postpartum coronary artery dissection followed by heart transplantation (Curiel et al). 1990;163:538-9

Corpus luteum

- Corpus luteum function in early pregnancies is primarily determined by the rate of change of human chorionic gonadotropin levels (Kratzer and Taylor). 1990;163:1497-502
- Oxytocin and vasopressin binding sites in human and bovine ovaries (Fuchs et al). 1990;163:1961-7

Corrections

- The American Board of Obstetrics and Gynecology, Inc. (1990;162:1645-68). 1990;163:2030
- Evaluation of a risk scoring system as a predictor of preterm birth in an indigent population (Owen et al). (1990;163:873-9). 1990;163:2030
- Fetal thoracic circumference: a prospective cross-sectional study with real-time ultrasound (Fong et al). (1988;158:1154-60). 1990;163:1363
- Transabdominal and transvaginal ultrasonography in the diagnosis of ectopic pregnancy: a comparative study (1990;163:123-9). 1990;163:2030
- Treatment-dependent and treatment-independent pregnancy among women with perianthelial adhesions (Tulandi et al) (1990;162:354-7). 1990;163:271

Correspondence

- Letters. 1990;163:240-71, 677-712, 1089-107, 1364-77, 1713-7, 2024-30

Corticosteroid binding-globulin; see Transcortin**Corticosteroids; see Adrenal cortex hormones****Corticotropin-releasing hormone**

- Corticotropin-releasing hormone in amniotic fluid (Laatikainen) (Letter); (Sasaki) (Reply). 1990;163:1102-3
- Mechanism of action of interleukin-1 β in increasing corticotropin-releasing factor and adrenocorticotropin hormone release from cultured human placental cells (Petraglia et al). 1990;163:1307-12

Cortisol; see Hydrocortisone**Cost benefit analysis**

- Cost-effectiveness of intrapartum screening and treatment for maternal group B streptococci colonization (Strickland et al). 1990;163:4-8 (Clin. opinion)

Cost effectiveness; see Cost benefit analysis**Crack cocaine; see Cocaine****Curettage**

- Experience with the EndoPap device for the cytologic detection of uterine cancer and its precursors: a comparison of the EndoPap with fractional curettage or hysterectomy (LaPolla et al). 1990;163:1055-60

Current development

- Current development. 1990;163:162-9, 1282-93

Cushing's syndrome

- Ketoconazole treatment of Cushing's syndrome in pregnancy (Divers). 1990;163:1101 (Letter)

Cyclic AMP; see Adenosine cyclic monophosphate**Cyclooxygenase; see Prostaglandin synthase****Cynomolgus monkeys; see Macaca fascicularis****Cyproterone**

- Effects of ethinyl estradiol combined with desogestrel and cyproterone acetate on glucose tolerance and insulin response to an oral glucose load: a one-year randomized, prospective, comparative trial (Jandrain et al). 1990;163:378-81 (Supplement)

Cystadenoma

- Hemoperitoneum as a result of coital injury without associated vaginal injury (McColgin et al). 1990;163:1503-5
- Papillary cystadenoma of the broad ligament in von Hippel-Lindau disease (Korn et al). 1990;163:596-8

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- Endometrioma of the liver (Rovati et al). 1990;163:1490-2
- Management of selected cystic adnexal masses in postmenopausal women by operative laparoscopy: a pilot study (Parker and Berek). 1990;163:1574-7

Cytochrome P-450

- Inhibition of oral contraceptive steroid-metabolizing enzymes by steroids and drugs (Guengerich). 1990;163:2159-63 (Symposium)

Cytogenetics

- Direct analysis of uncultured cytotrophoblastic cells from second- and third-trimester placentas: an accurate and rapid method for detection of fetal chromosome abnormalities (Shulman et al). 1990;163:1606-9

Cytomegalic inclusion disease, diagnosis

- Prenatal diagnosis of congenital cytomegalovirus infection by virus isolation from amniotic fluid (Weiner and Grose). 1990;163:1253-5

Cytomegaloviruses

- Prenatal diagnosis of congenital cytomegalovirus infection: two decades later (Grose and Weiner). 1990;163:447-50 (Clin. opinion)
- Prenatal diagnosis of fetal intracranial calcifications (Koga et al). 1990;163:1543-5

Cytotoxicity, immunologic

- Autologous antibodies eluted from membrane fragments in human ovarian epithelial neoplastic effusions. III. Cytotoxic potential in vitro and characterization of antigen(s) (Kutteh et al). 1990;163:1301-6

Cytotoxicity tests, immunologic

- A comparison of sperm antibody assays (Daru and Mathur). 1990;163:1622-9

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Danazol

Effects of danazol, gonadotropin-releasing hormone agonist, and a combination of danazol and gonadotropin-releasing hormone agonist on experimental endometriosis (Sakata et al). 1990;163:1679-84

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Effect of uterine contractility and maternal hypotension on prolonged decelerations after bupivacaine epidural anesthesia (Steiger and Nageotte). 1990;163:808-12

Decidua

Immunocytochemical distribution and localization of 15-hydroxyprostaglandin dehydrogenase in human fetal membranes, decidua, and placenta (Cheung et al). 1990;163:1445-9

Lymphokine production during term human pregnancy: differences between peripheral leukocytes and decidual cells (Dudley et al). 1990;163:1890-3

Dehydroepiandrosterone

Role of hormones in cervical ripening (Sert). 1990;163:705-7 (Letter)

Delivery

A comparison of the effect of epidural, general, and no anesthesia on folic acid-base values by stage of labor and type of delivery (Shyken et al). 1990;163:802-7

The effect of mode of delivery on the perinatal outcome in fetuses with abdominal wall defects (Moretti et al). 1990;163:833-8

Fetal gastroschisis and omphalocele: Is cesarean section the best mode of delivery? (Lewis et al). 1990;163:773-5

Is indicated or spontaneous preterm delivery more advantageous for the fetus? (Owen et al). 1990;163:868-72

Preterm delivery: a risk factor for retained placenta (Romero et al). 1990;163:823-5

Vaginal birth after abdominal delivery (Thorp and Bowes). 1990;163:1101-2 (Letter)

Vaginal birth after cesarean section: an appraisal of the reappraisal (Flamm) (Letter); (Yetman) (Reply). 1990;163:691-2

Vaginal breech delivery: a five-year prospective evaluation of a protocol using computed tomographic pelvimetry (Christian et al). 1990;163:848-55

Deoxyribonucleic acid fingerprints; see Nucleotide mapping

Descending aorta; see Aorta, thoracic

Desogestrel

Binding of oral contraceptive progestogens to serum proteins and cytoplasmic receptor (Juchem and Pollow). 1990;163:2171-83 (Symposium)

Gastrointestinal metabolism of contraceptive steroids (Back et al). 1990;163:2138-45 (Symposium)

Pharmacokinetics and pharmacodynamics of oral contraceptive steroids: factors influencing steroid metabolism (Jung-Hoffmann and Kuhl). 1990;163:2183-97 (Symposium)

Serum pharmacokinetics of orally administered desogestrel and binding of contraceptive progestogens to sex hormone-binding globulin (Bergink et al). 1990;163:2132-7 (Symposium)

Desogestrel/ethinyl estradiol

Comparative studies of 30 µg ethinyl estradiol combined with gestodene and desogestrel on blood coagulation, fi-

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Effects of ethinyl estradiol combined with desogestrel and cyproterone acetate on glucose tolerance and insulin response to an oral glucose load: a one-year randomized, prospective, comparative trial (Jandrain et al). 1990;163:378-81 (Supplement)

Effects of newer oral contraceptives on the inhibition of coagulation and fibrinolysis in relation to dosage and type of steroid (Jespersen et al). 1990;163:396-403 (Supplement)

Effects of three combined oral contraceptive preparations containing desogestrel plus ethinyl estradiol on lipid metabolism in comparison with two levonorgestrel preparations (Kloosterboer and Rekers). 1990;163:370-3 (Supplement)

Estrogenic effect of gestodene- or desogestrel-containing oral contraceptives on lipoprotein metabolism (Gevers Leuven et al). 1990;163:358-62 (Supplement)

Protein binding of active ingredients and comparison of serum ethinyl estradiol sex hormone-binding globulin, corticosteroid-binding globulin, and cortisol levels in women using a combination of gestodene/ethinyl estradiol (Femovan) or a combination of desogestrel/ethinyl estradiol (Marvelon) and single-dose ethinyl estradiol bioequivalence from both oral contraceptives (Hümpel et al). 1990;163:329-33 (Supplement)

Time-dependent alterations in lipid metabolism during treatment with low-dose oral contraceptives (Kuhl et al). 1990;163:363-9 (Supplement)

Dextrans

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Diabetes mellitus

Infants of diabetic mothers with accelerated fetal growth by ultrasonography: Are they all alike? (Keller et al). 1990;163:893-7

Oral contraception in disease states (Breckwoldt et al). 1990;163:2213-6 (Symposium)

Prevalence and etiology of respiratory distress in infants of diabetic mothers: predictive value of fetal lung maturation tests (Kjos et al). 1990;163:898-903

Diabetes mellitus, insulin-dependent

Diabetic ketoacidosis and insulin resistance with subcutaneous terbutaline infusion: a case report (Tibaldi et al). 1990;163:509-10

Diabetes mellitus, non-insulin-dependent

Gestational diabetes mellitus: the prevalence of glucose intolerance and diabetes mellitus in the first two months post partum (Kjos et al). 1990;163:93-8

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Diagnosis, computer-assisted

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Ultrasonographic fetal weight estimation by an integrated computer-assisted system: Can each laboratory improve its accuracy? (Thompson et al). 1990;163:986-95

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Diagnosis, computer-assisted—cont'd

of a protocol using computed tomographic pelvimetry (Christian et al). 1990;163:848-55

Diagnosis, differential

Use of serial human chorionic gonadotropin measurements to differentiate between intrauterine and ectopic pregnancies (Kadar) (Letter); (Lindblom et al) (Reply). 1990;163:259-61

Diagnosis, laboratory

Disorders of the hemostatic system and the risk of the development of thrombotic and cardiovascular diseases: limitations of laboratory diagnosis (Kluft). 1990;163:305-12 (Supplement)

The importance of considering clinical usefulness in the evaluation of medical laboratory tests (Sever). 1990;163:678-9 (Letter)

Laboratory identification of the lupus anticoagulant in normal pregnancy and pregnancy-induced hypertension (Riveros et al) (Letter); (Lockwood) (Reply). 1990;163:704-5

Diazoxide

Suppression of serum insulin level by diazoxide does not alter serum testosterone of sex hormone-binding globulin levels in healthy, nonobese women (Nestler et al). 1990;163:1243-6

Diethylstilbestrol, adverse effects

Colposcopy in diethylstilbestrol-exposed offspring (Gimbel) (Letter); (Helmerhorst) (Reply). 1990;163:703

Digoxin-like immunoreactive factor

Digoxin-like immunoreactive factor and respiratory distress syndrome (Goodlin). 1990;163:1091 (Letter)

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Conservative treatment of ovarian pregnancy by local prostaglandin F_{2α} injection (Koike et al). 1990;163:696 (Letter)

Critical comments on the treatment of tubal pregnancy with prostaglandins (Dietl and Lippert) (Letter); (Egarter and Husslein) (Reply). 1990;163:707-8

Double-blind comparison of intravaginal prostaglandin E₂ gel and "chip" for preinduction cervical ripening (Smith et al). 1990;163:845-7

Dinoprostone

Effect of intravaginal application of prostaglandin E₂ gel on the mechanical properties of the ovine cervix uteri at term (Owiny and Fitzpatrick). 1990;163:657-60

Evidence of a role for protein kinase C in epidermal growth factor-induced prostaglandin E₂ synthesis in amnion cells (Kniss et al). 1990;163:1883-90

The role of fetal membranes in regulating production, transport, and metabolism of prostaglandin E₂ during labor (McCoshen et al). 1990;163:1632-40

Uterine hyperstimulation after low-dose prostaglandin E₂ therapy: tocolytic treatment in 181 cases (Egarter et al). 1990;163:794-6

Disease models, animal

Ovarian granulosa cell tumorigenesis in SWR-derived F1 hybrid mice: preneoplastic follicular abnormality and malignant disease progression (Tennent et al). 1990;163:625-34

Disseminated intravascular coagulation

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DNA, viral

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Maternal serum unconjugated estriol levels are lower in the presence of fetal Down syndrome (Haddow et al) (Letter); (Macri et al) (Reply). 1990;163:1372-4

Potential prenatal predictions of Down syndrome: a statistical analysis (O'Brien et al). 1990;163:1796-8

Screening for trisomy 21 with ultrasonographic determination of biparietal diameter/femur length ratio (Marquette et al). 1990;163:1604-5

Ultrasonographic detection of the second-trimester fetus with trisomy 18 and trisomy 21 (Ginsberg et al). 1990;163:1186-90

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Binding of oral contraceptive progestogens to serum proteins and cytoplasmic receptor (Juchem and Pollow). 1990;163:2171-83 (Symposium)

Factors affecting the enterohepatic circulation of oral contraceptive steroids (Orme and Back). 1990;163:2146-52 (Symposium)

Formation, metabolism, and physiologic importance of catecholestrogens (Ball and Knuppen). 1990;163:2163-70 (Symposium)

Gastrointestinal disease and oral contraception (Hanker). 1990;163:2204-7 (Symposium)

Gastrointestinal metabolism of contraceptive steroids (Back et al). 1990;163:2138-45 (Symposium)

Influence of oral contraceptives on drug therapy (Teichmann). 1990;163:2208-13 (Symposium)

Inhibition of oral contraceptive steroid-metabolizing enzymes by steroids and drugs (Guengerich). 1990;163:2159-63 (Symposium)

Interactions with oral contraceptives (Fotherby). 1990;163:2153-9 (Symposium)

Oral contraception in disease states (Breckwoldt et al). 1990;163:2213-6 (Symposium)

Pharmacokinetics and pharmacodynamics of oral contraceptive steroids: factors influencing steroid metabolism (Jung-Hoffmann and Kuhl). 1990;163:2183-97 (Symposium)

Pharmacokinetics of ethinyl estradiol and mestranol (Goldzieher and Brody). 1990;163:2114-9 (Symposium)

Pharmacokinetics of oral contraceptive steroids and drug

- interaction: conclusion (Kuhl). 1990;163:2216-8 (Symposium)
- Pharmacokinetics of oral contraceptive steroids and drug interaction: introduction (Kuhl). 1990;163:2113 (Symposium)
- Pharmacokinetics of the contraceptive steroids levonorgestrel and gestodene after single and multiple oral administration to women (Kuhnz). 1990;163:2120-7 (Symposium)
- Pharmacologic and pharmacokinetic characteristics of norgestimate and its metabolites (McGuire et al). 1990;163:2127-31 (Symposium)
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- Can shoulder dystocia be prevented? (Nagey) (Letter); (O'Leary) (Reply). 1990;163:1095-6
- Epidural analgesia and cesarean section for dystocia (Chestnut) (Letter); (Thorpe and Parisi) (Reply). 1990;163:247-9
- Labor epidural analgesia and dystocia-related cesarean section (Downing and Knape). 1990;163:1096-7 (Letter)

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- Blood flow velocity and pulsatile diameter changes in the fetal descending aorta: a longitudinal study (Stale et al). 1990;163:26-9

- Ductus arteriosus flow velocity modulation by fetal breathing movements as a measure of fetal lung development (van Eyck et al). 1990;163:558-66

- Prenatal diagnosis of a chest wall mass with ultrasonography and Doppler velocimetry: a case report (Smith et al). 1990;163:567-9

- Relationship between the ovine fetal umbilical artery blood flow waveform and umbilical vascular resistance (Irion and Clark). 1990;163:222-9

Eclampsia

- Eclampsia. VI. Maternal-perinatal outcome in 254 consecutive cases (Sibai). 1990;163:1049-55
- Epidemiology of preeclampsia and eclampsia in the United States, 1979-1986 (Saftlas et al). 1990;163:460-5
- Magnesium sulfate is not an ideal anticonvulsant (Goodlin) (Letter); (Sibai) (Reply). 1990;163:1714-5
- National High Blood Pressure Education Program Working Group report on high blood pressure in pregnancy. 1990;163:1691-712 (Supplement)
- Phenytoin and magnesium sulfate in eclampsia (Domisse) (Letter); (Ryan) (Reply). 1990;163:1089-91

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- Editorial. 1990;163:1109-10

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Studies of the spontaneous motility and the effect of histamine on isolated myometrial strips of the non-pregnant human uterus: the influence of various uterine abnormalities (Martinez-Mir et al). 1990;163:189-95

The use of serial CA 125 concentrations to monitor endometriosis in infertile women (Pittaway). 1990;163:1032-7

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Immunohistochemical localization of prostaglandin H synthase in the female reproductive tract and endometriosis (Van Voorhis et al). 1990;163:57-62

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The relationship between plasma estradiol and the increase in bone density in postmenopausal women after treatment with subcutaneous hormone implants (Studd et al). 1990;163:1474-9

Short-term effects of smoking on the pharmacokinetic profiles of micronized estradiol in postmenopausal women (Cassidenti et al). 1990;163:1953-60

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Comparative studies of 30 µg ethinyl estradiol combined with gestodene and desogestrel on blood coagulation, fibrinolysis, and platelets (Daly and Bonnar). 1990;163:430-7 (Supplement)

Effects of ethinyl estradiol combined with desogestrel and cyproterone acetate on glucose tolerance and insulin response to an oral glucose load: a one-year randomized, prospective, comparative trial (Jandrain et al). 1990;163:378-81 (Supplement)

Effects of newer oral contraceptives on the inhibition of coagulation and fibrinolysis in relation to dosage and type of steroid (Jespersen et al). 1990;163:396-403 (Supplement)

Effects of oral contraceptives on carbohydrate and lipid metabolisms in a healthy population: the Telecom Study (Simon et al). 1990;163:382-7 (Supplement)

Efficacy and safety considerations in women with uterine leiomyomas treated with gonadotropin-releasing hormone agonists: the estrogen threshold hypothesis (Friedman et al). 1990;163:1114-9 (Clin. opinion)

Isolation and characterization of the gene from a human genome encoding 17β-estradiol dehydrogenase: a comparison of Jar and BeWo choriocarcinoma cell lines (Long et al). 1990;163:1976-81

Metabolic changes during treatment with two different progestogens (Refn et al). 1990;163:374-7 (Supplement)

Prodrugs: Advantage or disadvantage? (Hammerstein). 1990;163:2198-203 (Symposium)

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Effects of oral contraceptives on lipid metabolism (Gevers Leuven et al). 1990;163:1410-3 (Supplement)

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Selected aspects of the pharmacokinetics and metabolism of ethinyl estrogens and their clinical implications (Goldzieher). 1990;163:318-22 (Supplement)

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Protein binding of active ingredients and comparison of serum ethinyl estradiol sex hormone-binding globulin, corticosteroid-binding globulin, and cortisol levels in women using a combination of gestodene/ethinyl estradiol (Femovan) or a combination of desogestrel/ethinyl estradiol (Marvelon) and single-dose ethinyl estradiol bioequivalence from both oral contraceptives (Hümpel et al). 1990;163:329-33 (Supplement)

Time-dependent alterations in lipid metabolism during treatment with low-dose oral contraceptives (Kuhl et al). 1990;163:363-9 (Supplement)

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Mechanism of action of oral contraceptives on carbohydrate metabolism at the cellular level (Skouby et al). 1990;163:343-8 (Supplement)

Response of placental vasculature to high glucose levels in the isolated human placental cotyledon (Roth et al). 1990;163:1828-30

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Effect of low-dose oral contraceptives on carbohydrate and lipid metabolism in women with recent gestational diabetes: results of a controlled, randomized, prospective study (Kjos et al). 1990;163:1822-7

Effects of ethinyl estradiol combined with desogestrel and cyproterone acetate on glucose tolerance and insulin response to an oral glucose load: a one-year randomized, prospective, comparative trial (Jandrain et al). 1990;163:378-81 (Supplement)

Gestational diabetes mellitus: the prevalence of glucose intolerance and diabetes mellitus in the first two months post partum (Kjos et al). 1990;163:93-8

Glucose tolerance in pregnancy: ethnic variation and influence of body habitus (Green et al). 1990;163:86-92

Impairment of glucose tolerance: mechanism of action and impact on the cardiovascular system (Beck-Nielsen et al). 1990;163:292-5 (Supplement)

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Relationships between glucose levels and insulin secretion during a glucose challenge test (Berkus et al). 1990;163:1818-21

Glycoprotein hormones, alpha subunit

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Glycoproteins

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Expression of P-glycoprotein in epithelial ovarian cancer: evaluation as a marker of multidrug resistance (Rubin et al). 1990;163:69-73

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Corpus luteum function in early pregnancies is primarily determined by the rate of change of human chorionic gonadotropin levels (Kratzer and Taylor). 1990;163:1497-502

Maternal serum Down syndrome screening: free β -protein is a more effective marker than human chorionic gonadotropin (Macri et al). 1990;163:1248-53

Measures of test performance and predictive values (Kadar) (Letter); (Schiff et al) (Reply). 1990;163:1374-5

Use of serial human chorionic gonadotropin measurements to differentiate between intrauterine and ectopic pregnancies (Kadar) (Letter); (Lindblom et al) (Reply). 1990;163:259-61

Graafian follicle

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Large cystic granulosa cell tumor: case report (Choi and Pritchard). 1990;163:74-6

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Preferential mitogenic activity for myoblast-like cells can be extracted from uterine leiomyoma tissues (Koutsilieris et al). 1990;163:1665-70

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Effects of intravascular fetal blood transfusion on fetal intracardiac Doppler velocity waveforms (Rizzo et al). 1990;163:1231-8

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Sources of variability in umbilical artery systolic/diastolic ratios: implications of Poiseuille equation (Wright and Ridgway). 1990;163:1788-91

Vibroacoustic stimulation and fetal behavioral state in normal term human pregnancy (Devoe et al). 1990;163:1156-61

Heart rate, fetal, animal

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Human fetal foramen ovale flow velocity waveforms relative to behavioral states in normal term pregnancy (van Eyck et al). 1990;163:1239-42

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Heart valve prosthesis

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Nifedipine enhances the cardiac toxicity of magnesium sulfate in the isolated perfused Sprague-Dawley rat heart (Thorp et al). 1990;163:655-6

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A reappraisal of the need for autologous blood donation in the obstetric patient (Andres et al). 1990;163:1551-3

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A comment on thumbtacks for hemorrhage control (Mann) (Letter); (Patsner) (Reply). 1990;163:1092-3

Hemostasis profile in women taking low-dose oral contraceptives (David et al). 1990;163:420-3 (Supplement)

Interrelations between carbohydrates, lipids, and the hemostatic system in relation to the risk of thrombotic and cardiovascular disease (Juhan-Vague and Vague). 1990;163:313-5 (Supplement)

Oral contraceptives in risk groups: Exclusion or monitoring? (Guillebaud). 1990;163:443-6 (Supplement)

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HIV

Pregnancy outcomes among mothers infected with human immunodeficiency virus and uninfected control subjects (Minkoff et al). 1990;163:1598-604

The relationship of cocaine use to syphilis and human immunodeficiency virus infections among inner city parturient women (Minkoff et al). 1990;163:521-6

Risk factors associated with the increasing prevalence of pneumonia during pregnancy (Berkowitz and LaSala). 1990;163:981-5

Vulvar ulcer of unknown etiology in a human immunodeficiency virus-infected woman: response to treatment

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HIV infections

Drug prophylaxis for human immunodeficiency virus-infected pregnant women: ethical considerations (Minkoff and Moreno). 1990;163:1111-4 (Clin. opinion)

Sexually transmitted diseases and human immunodeficiency virus infection among women with pelvic inflammatory disease (Hoegsberg et al). 1990;163:1135-9

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Prenatal diagnosis of laryngeal atresia (Watson et al). 1990;163:1456-7

Prognostic indicators of the resolution of nonimmune hydrops fetalis and survival of the fetus (Carlson et al). 1990;163:1785-7

Spontaneous infarction of placental chorioangioma and associated regression of hydrops fetalis (Chazotte et al). 1990;163:1180-1

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Fetal and maternal response to intravenous infusion of a thromboxane synthetase inhibitor (Cardin et al). 1990;163:1345-9

Fetal umbilical artery Doppler response to graded maternal aerobic exercise and subsequent maternal mean arterial blood pressure: predictive value for pregnancy-induced hypertension (Hume et al). 1990;163:826-9

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tension (Goodlin) (Letter); (Sowers and Zemel) (Reply). 1990;163:261-2

Laboratory identification of the lupus anticoagulant in normal pregnancy and pregnancy-induced hypertension (Riveros et al) (Letter); (Lockwood) (Reply). 1990;163:704-5

Longitudinal study of the renin-angiotensin-aldosterone system in hypertensive pregnant women: deviations related to the development of superimposed preeclampsia (August et al). 1990;163:1612-21

National High Blood Pressure Education Program Working Group report on high blood pressure in pregnancy. 1990;163:1691-712 (Supplement)

National High Blood Pressure Education Program Working Group report on high blood pressure in pregnancy: foreword (Lenfant et al). 1990;163:1689-90 (Supplement)

The natural history of thrombocytopenia associated with preeclampsia (Katz et al). 1990;163:1142-3

Oral contraception in disease states (Breckwoldt et al). 1990;163:2213-6 (Symposium)

Hypertension, animal

Hypoxic acidemia, hyperviscosity, and maternal hypertension do not affect the umbilical arterial velocity waveform in fetal sheep (Morrow et al). 1990;163:1313-20

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Hypotension

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Survival and outcome of infants weighing <800 grams at birth (Lipper et al). 1990;163:146-50

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Insulin-like growth factor II and nonsuppressible insulin-like activity levels in newborns (Samaan et al). 1990;163:1836-9

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Cost-effectiveness of intrapartum screening and treatment for maternal group B streptococci colonization (Strickland et al). 1990;163:4-8 (Clin. opinion)

The differential neonatal morbidity of the intrauterine growth retardation syndrome (Villar et al). 1990;163:151-7

Digoxin-like immunoreactive factor and respiratory distress syndrome (Goodlin). 1990;163:1091 (Letter)

In utero detection of cardiac failure from an aneurysm of the vein of Galen (Jeanty et al). 1990;163:50-1

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Calcium supplementation during pregnancy may reduce preterm delivery in high-risk populations (Villar and Repke). 1990;163:1124-31

Cervicovaginal microflora and pregnancy outcome: results of a double-blind, placebo-controlled trial of erythromycin treatment (McGregor et al). 1990;163:1580-91

Evaluation of a risk scoring system as a predictor of preterm birth in an indigent population (Owen et al). 1990;163:873-9

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Perinatal mortality in Victoria, Australia: role of group B streptococcus (Fliegner and Garland). 1990;163:1609-11

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Infants of diabetic mothers with accelerated fetal growth by ultrasonography: Are they all alike? (Keller et al). 1990;163:893-7

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Long-term maternal-fetal exposure to high-low insulin concentrations alter liver but not brain insulin receptors (Devaskar et al). 1990;163:1350-6

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Relationships between glucose levels and insulin secretion during a glucose challenge test (Berkus et al). 1990;163:1818-21

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Contraception and ectopic pregnancy risk (Franks et al). 1990;163:1120-3

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Oral contraceptives, lipoproteins, and atherosclerosis (Adams et al). 1990;163:1388-92 (Supplement)

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Pharmacokinetics of the contraceptive steroids levonorgestrel and gestodene after single and multiple oral administration to women (Kuhnz). 1990;163:2120-7 (Symposium)

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Selected aspects of the pharmacokinetics and metabolism of ethinyl estrogens and their clinical implications (Goldzieher). 1990;163:318-22 (Supplement)

Serum pharmacokinetics of orally administered desogestrel and binding of contraceptive progestogens to sex hormone-binding globulin (Bergink et al). 1990;163:2132-7 (Symposium)

Short-term effects of smoking on the pharmacokinetic profiles of micronized estradiol in postmenopausal women (Cassidenti et al). 1990;163:1953-60

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Phospholipids

Antiphospholipid antibodies and recurrent pregnancy loss: correlation between the activated partial thromboplastin time and antibodies against phosphatidylserine and cardiolipin (Rote et al). 1990;163:575-84

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The GnRH pulse generator (Knobil). 1990;163:1721-6 (Supplement)

Gonadotropin-releasing hormone deficiency in men: diagnosis and treatment with exogenous gonadotropin-releasing hormone (Crowley and Whitcomb). 1990;163:1752-8 (Supplement)

Hypothalamic amenorrhea: clinical perspectives, pathophysiology, and management (Liu). 1990;163:1732-6 (Supplement)

The luteinizing hormone-releasing hormone pulse generator in men: abnormalities and clinical management (Matsumoto et al). 1990;163:1743-51 (Supplement)

Nature of gonadotropin-releasing hormone self-priming of luteinizing hormone secretion during the normal menstrual cycle (Sollenberger et al). 1990;163:1529-34

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Pulsatile GnRH in clinical medicine: introductory remarks (Jaffe and Yen). 1990;163:1719-20 (Supplement)

Pituitary hormone releasing hormones, analogs and derivatives

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Immunocytochemical distribution and localization of 15-hydroxyprostaglandin dehydrogenase in human fetal membranes, decidua, and placenta (Cheung et al). 1990;163:1445-9

Interleukin-1 β , human leukocyte antigen DR1, and transforming growth factor- β expression in endometrium, placenta, and placental membranes (Kauma et al). 1990;163:1430-7

Mechanism of action of interleukin-1 β in increasing corticotropin-releasing factor and adrenocorticotropin hormone release from cultured human placental cells (Petraglia et al). 1990;163:1307-12

Metabolism of cocaine by human placentas: implications for fetal exposure (Roe et al). 1990;163:715-8

Placental histology in fetuses between 18 and 23 weeks' gestation with abnormal karyotype (Kuhlmann et al). 1990;163:1264-70

Preterm delivery: a risk factor for retained placenta (Romero et al). 1990;163:823-5

Response of placental vasculature to high glucose levels in the isolated human placental cotyledon (Roth et al). 1990;163:1828-30

Second-trimester placental biopsy for rapid fetal karyotyping (Cameron et al). 1990;163:931-4

Ultrastructural aspects of preeclampsia. II. Mitochondrial changes (Shanklin and Sibai). 1990;163:943-53

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Ultrasonographic diagnosis of a large placental intervillous thrombosis associated with elevated maternal serum α -fetoprotein level (Jauniaux et al). 1990;163:1558-60

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Enhanced generation and resolution of fibrin in women above the age of 30 years using oral contraceptives low in estrogen (Gram et al). 1990;163:438-42 (Supplement)

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Effects of hypertension on pregnancy monitoring and results (Lennox et al). 1990;163:1173-9

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Growth factor activity in the blood of women in whom preeclampsia develops is elevated from early pregnancy (Taylor et al). 1990;163:1839-44

Longitudinal study of the renin-angiotensin-aldosterone system in hypertensive pregnant women: deviations related to the development of superimposed preeclampsia (August et al). 1990;163:1612-21

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Magnesium supplementation in pregnancy (Spätling and Fallenstein) (Letter); (Sibai) (Reply). 1990;163:240-1

National High Blood Pressure Education Program Working Group report on high blood pressure in pregnancy. 1990;163:1691-712 (Supplement)

The natural history of thrombocytopenia associated with preeclampsia (Katz et al). 1990;163:1142-3

Plasma atrial arginine vasopressin levels vary little between preeclamptic and control patients (Elias and Varizi). 1990;163:245 (Letter)

Preeclampsia in diabetic pregnancies (Garner et al). 1990;163:505-8

Preeclampsia—An endothelial cell disorder plus "something else"? (Liston and Kilpatrick) (Letter); (Roberts and Taylor) (Reply). 1990;163:1365-6

Pregnancy-induced hypertension and acute fatty liver of pregnancy: atypical presentations (Brown et al). 1990;163:1154-6

A protocol for managing severe preeclampsia in the second trimester (Sibai et al). 1990;163:733-8

Ultrastructural aspects of preeclampsia. II. Mitochondrial changes (Shanklin and Sibai). 1990;163:943-53

Zinc, preeclampsia, and γ -aminobutyric acid (Brophy). 1990;163:242-3 (Letter)

Pre-eclampsia syndromes, epidemiology

Epidemiology of preeclampsia and eclampsia in the United States, 1979-1986 (Safitlas et al). 1990;163:460-5

Predictive value of tests

Evaluation of a risk scoring system as a predictor of preterm birth in an indigent population (Owen et al). 1990;163:873-9

Measures of test performance and predictive values (Kadar) (Letter); (Schiff et al) (Reply). 1990;163:1374-5

Prediction of risk for preterm delivery by ultrasonographic measurement of cervical length (Andersen et al). 1990;163:859-67

Prevalence and etiology of respiratory distress in infants of diabetic mothers: predictive value of fetal lung maturation tests (Kjos et al). 1990;163:898-903

Prednisone

Intrapartum uterine rupture and inflammatory bowel disease (Peterson and Braak). 1990;163:1247-8

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Assessment of cerebral hemodynamics in pregnant women

- by internal carotid artery pulsed Doppler velocimetry (Ikeda and Mori). 1990;163:494-8
- Blood pressure measured telemetrically from home throughout pregnancy (Mooney et al). 1990;163:30-6
- Calcium supplementation during pregnancy may reduce preterm delivery in high-risk populations (Villar and Repke). 1990;163:1124-31
- The course of labor after endurance exercise during pregnancy (Clapp). 1990;163:1799-805
- Direct ultrasonographic measurement of fetal lung length in normal pregnancies and pregnancies complicated by prolonged rupture of membranes (Roberts and Mitchell). 1990;163:1560-6
- The effect of physical activity during pregnancy on preterm delivery and birth weight (Klebanoff et al). 1990;163:1450-6
- Interrelationship between atrial natriuretic factor concentrations and acute volume expansion in pregnant and nonpregnant women (Hatjis et al). 1990;163:45-50
- Lymphokine production during term human pregnancy: differences between peripheral leukocytes and decidual cells (Dudley et al). 1990;163:1890-3
- Magnesium supplementation in pregnancy (Spätling and Fallenstein) (Letter); (Sibai) (Reply). 1990;163:240-1
- Neonatal morphometrics after endurance exercise during pregnancy (Clapp and Capeless). 1990;163:1805-11
- Use of serial human chorionic gonadotropin measurements to differentiate between intrauterine and ectopic pregnancies (Kadar) (Letter); (Lindblom et al) (Reply). 1990;163:259-61
- Pregnancy, abdominal**
- An abdominal pregnancy 10 years after treatment for pelvic tuberculosis (Durukan et al). 1990;163:594-5
- Pregnancy, animal**
- Alteration of 24-hour rhythms in myometrial activity in the chronically catheterized pregnant rhesus monkey after a 6-hour shift in the light-dark cycle (Figueroa et al). 1990;163:648-54
- Embryofetal effects of pentamidine isethionate administered to pregnant Sprague-Dawley rats (Harstad et al). 1990;163:912-6
- Inhibition of spontaneous uterine contractions during the last trimester in pregnant baboons by an oxytocin antagonist (Wilson et al). 1990;163:1875-82
- Maternal and uteroplacental hemodynamic effects of chronic captopril in the hypertensive, term-pregnant rat (Mabie et al). 1990;163:1861-7
- Relationship between the ovine fetal umbilical artery blood flow waveform and umbilical vascular resistance (Irion and Clark). 1990;163:222-9
- Role of the endothelium in adrenergic responses of mesenteric artery rings of pregnant rats (Parent et al). 1990;163:229-34
- Transplacental transfer of zidovudine in the near-term pregnant baboon (Hankins et al). 1990;163:728-32
- Pregnancy, ectopic**
- An abdominal pregnancy 10 years after treatment for pelvic tuberculosis (Durukan et al). 1990;163:594-5
- Caution in use of new test for ectopic pregnancy (Haas) (Letter); (Lindblom et al) (Reply). 1990;163:694-5
- Changes in the incidence of ectopic pregnancy in Hungary (Jakobovits) (Letter); (Mäkinen et al) (Reply). 1990;163:265-6
- Conservative management of cervical pregnancy with subsequent fertility (Ayromloo) (Letter); (Bachus) (Reply). 1990;163:1093-5
- Conservative treatment of ovarian pregnancy by local prostaglandin $F_{2\alpha}$ injection (Koike et al). 1990;163:696 (Letter)
- Contraception and ectopic pregnancy risk (Franks et al). 1990;163:1120-3
- Corpus luteum function in early pregnancies is primarily determined by the rate of change of human chorionic gonadotropin levels (Kratzer and Taylor). 1990;163:1497-502
- Critical comments on the treatment of tubal pregnancy with prostaglandins (Dietl and Lippert) (Letter); (Egarter and Husslein) (Reply). 1990;163:707-8
- Embryo migration responsible for ectopic pregnancies (Rizk). 1990;163:1369 (Letter)
- Heterotopic pregnancy associated with assisted reproductive technology (Dimitry et al). 1990;163:244-5 (Letter)
- Laparoscopic diagnosis and treatment of interstitial ectopic pregnancy: a case report (Pasic and Wolfe). 1990;163:587-8
- Mifepristone (RU 486) failure in an ovarian heterotopic pregnancy (Levin et al). 1990;163:543-4
- Ovarian pregnancy: a report of 20 cases in one institution (Raziel et al). 1990;163:1182-5
- Transabdominal and transvaginal ultrasonography in the diagnosis of ectopic pregnancy: a comparative study (Kivikoski et al). 1990;163:123-8
- Treatment of cervical pregnancy with methotrexate (Sherer) (Letter); (Palti) (Reply). 1990;163:693-4
- Use of serial human chorionic gonadotropin measurements to differentiate between intrauterine and ectopic pregnancies (Kadar) (Letter); (Lindblom et al) (Reply). 1990;163:259-61
- Vaginal probe ultrasonography and ectopic pregnancy (Goldstein) (Letter); (Stiller) (Reply). 1990;163:1099-100
- Pregnancy, multiple**
- Credit neonatal or obstetric care? (Weissman and Jakobi) (Letter); (Milligan) (Reply). 1990;163:1716
- Prognosis for twins with birth weight <1500 gm: the impact of cesarean section in relation to fetal presentation (Rydhström). 1990;163:528-33
- Pregnancy, prolonged**
- Observations on the cause of oligohydramnios in prolonged pregnancy (Trimmer et al). 1990;163:1900-3
- Prolongation of pregnancy and survival of second twin (Goodlin) (Letter); (Feichtinger) (Reply). 1990;163:270-1
- Pregnancy, prolonged, animal**
- A mechanism leading to reduced lung expansion and lung hypoplasia in fetal sheep during oligohydramnios (Harding et al). 1990;163:1904-13
- Pregnancy complications**
- Acromegaly first diagnosed in pregnancy: the role of bromocriptine therapy (Yap et al). 1990;163:477-8
- Antiphospholipid antibodies and recurrent pregnancy loss: correlation between the activated partial thromboplastin time and antibodies against phosphatidylserine and cardiolipin (Rote et al). 1990;163:575-84
- Direct ultrasonographic measurement of fetal lung length in normal pregnancies and pregnancies complicated by prolonged rupture of membranes (Roberts and Mitchell). 1990;163:1560-6
- The effect of adjusting maternal serum α -fetoprotein levels for maternal weight in pregnancies with fetal open spina bifida (Johnson et al). 1990;163:9-11

Pregnancy complications—cont'd

- Emergency treatment with recombinant tissue plasminogen activator of pulmonary embolism in a pregnant woman with antithrombin III deficiency (Baudo et al). 1990;163:1274-5
- Growth factor activity in the blood of women in whom preeclampsia develops is elevated from early pregnancy (Taylor et al). 1990;163:1839-44
- Is indicated or spontaneous preterm delivery more advantageous for the fetus? (Owen et al). 1990;163:868-72
- Ketoconazole treatment of Cushing's syndrome in pregnancy (Divers). 1990;163:1101 (Letter)
- Lack of specific placental abnormality associated with cocaine use (Gilbert et al). 1990;163:998-9
- Maternal serum α -fetoprotein level useful screening test (Lao). 1990;163:240 (Letter)
- Pemphigus in pregnancy (Metzker and Merlob) (Letter); (Kanwar and Kaur) (Reply). 1990;163:1097
- Pregnancy in a patient with treated Wilson's disease: a case report (Dupont et al). 1990;163:1527-8
- Pregnancy-induced hypertension and acute fatty liver of pregnancy: atypical presentations (Brown et al). 1990;163:1154-6
- Prevalence of use of cocaine and other substances in an obstetric population (Matera et al). 1990;163:797-801
- Recurrent acute fatty liver of pregnancy (Barton et al). 1990;163:534-8
- Toxicity of vancomycin given during pregnancy (Gouyon and Petion) (Letter); (Reyes and Ostrea) (Reply). 1990;163:1375-6

Pregnancy complications, cardiovascular

- β -Adrenergic receptor blockade in the management of pregnant women with mitral stenosis (Al Kasab et al). 1990;163:37-40
- Effect of mitral valve prosthetic surgery on the outcome of a growth-retarded fetus: a case report (Izquierdo et al). 1990;163:584-7
- Effect of uterine contractility and maternal hypotension on prolonged decelerations after bupivacaine epidural anesthesia (Steiger and Nageotte). 1990;163:808-12
- Epidemiology of preeclampsia and eclampsia in the United States, 1979-1986 (Safitlas et al). 1990;163:460-5
- Fetal umbilical artery Doppler response to graded maternal aerobic exercise and subsequent maternal mean arterial blood pressure: predictive value for pregnancy-induced hypertension (Hume et al). 1990;163:826-9
- Intracellular sodium levels in pregnant women with hypertension (Goodlin) (Letter); (Sowers and Zemmel) (Reply). 1990;163:261-2
- Laboratory identification of the lupus anticoagulant in normal pregnancy and pregnancy-induced hypertension (Riveros et al) (Letter); (Lockwood) (Reply). 1990;163:704-5
- Longitudinal study of the renin-angiotensin-aldosterone system in hypertensive pregnant women: deviations related to the development of superimposed preeclampsia (August et al). 1990;163:1612-21
- Magnesium sulfate and promethazine do not interact to cause hypotension in gravid ewes (Pollack et al). 1990;163:787-94
- National High Blood Pressure Education Program Working Group report on high blood pressure in pregnancy. 1990;163:1691-712 (Supplement)
- National High Blood Pressure Education Program Working Group report on high blood pressure in pregnancy: foreword (Lenfant et al). 1990;163:1689-90 (Supplement)

Pregnancy complications, cardiovascular, animal

- Fetal and maternal response to intravenous infusion of a thromboxane synthetase inhibitor (Cardin et al). 1990;163:1345-9

Pregnancy complications, hematologic

- Effects of hypertension on pregnancy monitoring and results (Lenox et al). 1990;163:1173-9
- HELLP does not always mean immediate HELP! (Goodlin) (Letter); (Sibai) (Reply). 1990;163:1089
- Liver histopathologic findings in women with sickle cell disease given prophylactic transfusion during pregnancy (Yeomans et al). 1990;163:958-64
- Low fetal risks in pregnancies associated with idiopathic thrombocytopenia purpura (Burrows and Kelton). 1990;163:1147-50
- The natural history of thrombocytopenia associated with preeclampsia (Katz et al). 1990;163:1142-3
- A reappraisal of the need for autologous blood donation in the obstetric patient (Andres et al). 1990;163:1551-3

Pregnancy complications, infectious

- Cervicovaginal microflora and pregnancy outcome: results of a double-blind, placebo-controlled trial of erythromycin treatment (McGregor et al). 1990;163:1580-91
- Detection of congenital toxoplasmosis by chorionic villus sampling and early amniocentesis (Foulon et al). 1990;163:1511-3
- Drug prophylaxis for human immunodeficiency virus-infected pregnant women: ethical considerations (Minkoff and Moreno). 1990;163:1111-4 (Clin. opinion)
- False-negative syphilis screening: the prozone phenomenon, nonimmune hydrops, and diagnosis of syphilis during pregnancy (Berkowitz et al). 1990;163:975-7
- High infectious morbidity in pregnant women with insulin-dependent diabetes: an understated complication (Stamler et al). 1990;163:1217-21
- Intrapartum hepatitis B screening in a low-risk population (Ernest et al). 1990;163:978-80
- Intrauterine *Listeria* infection: prenatal diagnosis by biophysical assessment and amniocentesis (Liner). 1990;163:1596-7
- Management and outcomes of pregnancies complicated by human B19 parvovirus infection: a prospective study (Rodis et al). 1990;163:1168-71
- Risk factors associated with the increasing prevalence of pneumonia during pregnancy (Berkowitz and LaSala). 1990;163:981-5
- Risk factors for perinatal group B streptococcal disease after amniotic fluid colonization (Silver et al). 1990;163:19-25

Pregnancy complications, neoplastic

- Cervical cancer: Role for progesterone during pregnancy and contraception? (Stendahl and Rogo). 1990;163:685-6 (Letter)
- Colon cancer in pregnancy with elevated maternal serum α -fetoprotein level at presentation (Gonsoulin et al). 1990;163:1172-3
- Multiple endocrine adenomatosis type I in pregnancy (Smythe et al). 1990;163:1037-9
- Perception of teratogenic risk by pregnant women exposed to diagnostic radiation during pregnancy (Mastroiacovo et al) (Letter); (Koren) (Reply). 1990;163:695-6
- Systemic cystic angiomas in pregnancy: a case presentation and review of the literature (Bardeguet et al). 1990;163:42-5

Pregnancy in diabetes

- Absence of evidence of pulmonary maturity at amniocen-

- tesis in term infants of diabetic mothers (Ojomo and Cous-tan). 1990;163:954-7
- Ascertainment bias in diabetic outcome data (FitzSimmons and Davidson) (Letter); (Damm and Mølsted-Pedersen) (Reply). 1990;163:682-3
- Correlations between antepartum maternal metabolism and newborn behavior (Rizzo et al). 1990;163:1458-64
- Does fasting interval affect the glucose challenge test? (Ber-kus et al). 1990;163:1812-7
- Effect of low-dose oral contraceptives on carbohydrate and lipid metabolism in women with recent gestational dia-betes: results of a controlled, randomized, prospective study (Kjos et al). 1990;163:1822-7
- Findings not new (Abell and Beischer) (Letter); (Langer) (Reply). 1990;163:2027-8
- Gestational diabetes mellitus: the prevalence of glucose in-tolerance and diabetes mellitus in the first two months post partum (Kjos et al). 1990;163:93-8
- Glucose tolerance in pregnancy: ethnic variation and influence of body habitus (Green et al). 1990;163:86-92
- High infectious morbidity in pregnant women with insulin-dependent diabetes: an understated complication (Stam-ler et al). 1990;163:1217-21
- Infants of diabetic mothers with accelerated fetal growth by ultrasonography: Are they all alike? (Keller et al). 1990;163:893-7
- Long-term maternal-fetal exposure to high-low insulin con-centrations alter liver but not brain insulin receptors (De-vaskar et al). 1990;163:1350-6
- Maternal serum α -fetoprotein levels in pregnancies com-plicated by diabetes: implications for screening programs (Martin et al). 1990;163:1209-16
- Outpatient obstetric management of women with type I di-abetes (Bourgeois and Duffer). 1990;163:1065-73
- Placental thromboxane and prostacyclin production in an ovine diabetic model (Dickinson et al). 1990;163:1831-5
- Preeclampsia in diabetic pregnancies (Garner et al). 1990;163:505-8
- Prevalence and etiology of respiratory distress in infants of diabetic mothers: predictive value of fetal lung maturation tests (Kjos et al). 1990;163:898-903
- Relationships between glucose levels and insulin secretion during a glucose challenge test (Berkus et al). 1990;163:1818-21
- Response of placental vasculature to high glucose levels in the isolated human placental cotyledon (Roth et al). 1990;163:1828-30
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- Pregnancy outcome**
- Antiphospholipid antibodies and recurrent pregnancy loss: correlation between the activated partial thromboplastin time and antibodies against phosphatidylserine and car-dioliipin (Rote et al). 1990;163:575-84
- The association of maternal floor infarction of the placenta with adverse perinatal outcome (Andres et al). 1990;163:935-8
- Cervicovaginal microflora and pregnancy outcome: results of a double-blind, placebo-controlled trial of erythro-mycin treatment (McGregor et al). 1990;163:1580-91
- Chronic renal disease and pregnancy outcome (Cun-ningham et al). 1990;163:453-9
- A comparison of tocolysis with nifedipine or ritodrine: anal-ysis of efficacy and maternal, fetal, and neonatal outcome (Ferguson et al). 1990;163:105-11
- Credit neonatal or obstetric care? (Weissman and Jakobi) (Letter); (Milligan) (Reply). 1990;163:1716
- The diagnostic values of concurrent nonstress testing, am-niotic fluid measurement, and Doppler velocimetry in screening a general high-risk population (Devoe et al). 1990;163:1040-8
- Eclampsia. VI. Maternal-perinatal outcome in 254 consec-utive cases (Sibai). 1990;163:1049-55
- The effect of mode of delivery on the perinatal outcome in fetuses with abdominal wall defects (Moretti et al). 1990;163:833-8
- Effects of hypertension on pregnancy monitoring and re-sults (Lenox et al). 1990;163:1173-9
- Inhibitory cofactor of antiphospholipid antibody in normal pregnancy sera (Cheng). 1990;163:701 (Letter)
- Low-dose aspirin. II. Relationship of angiotensin II pressor responses, circulating eicosanoids, and pregnancy out-come (Brown et al). 1990;163:1853-61
- Management and outcomes of pregnancies complicated by human B19 parvovirus infection: a prospective study (Rodis et al). 1990;163:1168-71
- Maternal exercise and early pregnancy outcome (Suzuki and Miller). 1990;163:1103 (Letter)
- Perinatal outcome of forty-nine pregnancies compli-cated by acardiac twinning (Moore et al). 1990;163:907-12
- Perinatal survival with expectant management of mid-trimester rupture of membranes (Major and Kitzmiller). 1990;163:838-44
- Pregnancy in a patient with treated Wilson's disease: a case report (Dupont et al). 1990;163:1527-8
- Pregnancy outcomes among mothers infected with human immunodeficiency virus and uninfected control subjects (Minkoff et al). 1990;163:1598-604
- Prognostic indicators of the resolution of nonimmune hy-drops fetalis and survival of the fetus (Carlson et al). 1990;163:1785-7
- Recurrent adverse pregnancy outcome and antiphos-pholipid antibodies (Reece et al). 1990;163:162-9 (Curr. dev.)
- Reducing cesarean sections at a teaching hospital (Sanchez-Ramos et al). 1990;163:1081-8
- Risk factors associated with the increasing prevalence of pneumonia during pregnancy (Berkowitz and LaSala). 1990;163:981-5
- The stuck twin phenomenon: Ultrasonographic findings, pregnancy outcome, and management with serial amnio-centeses (Mahony et al). 1990;163:1513-22
- Pregnancy trimester, first**
- Corpus luteum function in early pregnancies is primarily determined by the rate of change of human chorionic gonadotropin levels (Kratzer and Taylor). 1990;163:1497-502
- Early pregnancy failure—appropriate terminology (Gold-stein). 1990;163:1093 (Letter)
- Inhibition of aromatase activity by 8-bromo-cyclic adenosine monophosphate in cultured first-trimester human tro-phoblast (Rodway et al). 1990;163:1546-51
- Soluble factors produced by isolated first-trimester chori-onic villi directly inhibit proliferation of T cells (Silver et al). 1990;163:1914-9
- Transvaginal ultrasonographic detection of congenital anomalies in the first trimester (Cullen et al). 1990;163:466-76
- Ultrasonographic dating of very early pregnancy (Cadkin and McAlpin-Cadkin). 1990;163:1103 (Letter)

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Intraamniotic infection in the very early phase of the second trimester (Goldstein et al). 1990;163:1261-3

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Second-trimester placental biopsy for rapid fetal karyotyping (Cameron et al). 1990;163:931-4

Second-trimester ultrasonography: determinants of visualization of fetal anatomic structures (Catanzarite and Quirk). 1990;163:1191-5

Ultrasonographic detection of the second-trimester fetus with trisomy 18 and trisomy 21 (Ginsberg et al). 1990;163:1186-90

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Direct analysis of uncultured cytotrophoblastic cells from second- and third-trimester placentas: an accurate and rapid method for detection of fetal chromosome abnormalities (Shulman et al). 1990;163:1606-9

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The associated anomalies that determine prognosis in congenital omphaloceles (Tucci and Bard). 1990;163:1646-9

Color flow Doppler—a useful instrument in the diagnosis of vasa previa (Harding et al). 1990;163:1566-8

Detection of congenital toxoplasmosis by chorionic villus sampling and early amniocentesis (Foulon et al). 1990;163:1511-3

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Direct analysis of uncultured cytotrophoblastic cells from second- and third-trimester placentas: an accurate and rapid method for detection of fetal chromosome abnormalities (Shulman et al). 1990;163:1606-9

Direct ultrasonographic measurement of fetal lung length in normal pregnancies and pregnancies complicated by prolonged rupture of membranes (Roberts and Mitchell). 1990;163:1560-6

An evaluation of the chorionic villus sampling learning curve (Silver et al). 1990;163:917-22

In utero detection of cardiac failure from an aneurysm of the vein of Galen (Jeanty et al). 1990;163:50-1

Intrauterine *Listeria* infection: prenatal diagnosis by biochemical assessment and amniocentesis (Liner). 1990;163:1596-7

Potential prenatal predictions of Down syndrome: a statistical analysis (O'Brien et al). 1990;163:1796-8

Prenatal diagnosis of a chest wall mass with ultrasonography and Doppler velocimetry: a case report (Smith et al). 1990;163:567-9

Prenatal diagnosis of congenital cytomegalovirus infection: two decades later (Grose and Weiner). 1990;163:447-50 (Clin. opinion)

Prenatal diagnosis of congenital cytomegalovirus infection by virus isolation from amniotic fluid (Weiner and Grose). 1990;163:1253-5

Prenatal diagnosis of fetal intracranial calcifications (Koga et al). 1990;163:1543-5

Prenatal diagnosis of laryngeal atresia (Watson et al). 1990;163:1456-7

Prognostic indicators of the resolution of nonimmune hydrops fetalis and survival of the fetus (Carlson et al). 1990;163:1785-7

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Transcervical chorionic villus sampling and amniocentesis: a comparison of reliability, culture findings, and fetal outcome (Ferguson et al). 1990;163:926-31

Transvaginal ultrasonographic detection of congenital anomalies in the first trimester (Cullen et al). 1990;163:466-76

Ultrasonographic assessment of placental abnormalities (Jauniaux and Campbell). 1990;163:1650-8

Ultrasonographic diagnosis of a large placental intervillous thrombosis associated with elevated maternal serum α -fetoprotein level (Jauniaux et al). 1990;163:1558-60

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hormone pulse amplitude and primarily exerts a pituitary inhibition (Shoupe et al). 1990;163:1982-5

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The clinical relevance of oral contraceptive pill-induced plasma lipid changes: facts and fiction (Hoppe). 1990;163:388-91 (Supplement)

Comparative studies of 30 µg ethinyl estradiol combined with gestodene and desogestrel on blood coagulation, fibrinolysis, and platelets (Daly and Bonnar). 1990;163:430-7 (Supplement)

Metabolic changes during treatment with two different progestogens (Refn et al). 1990;163:374-7 (Supplement)

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Corpus luteum function in early pregnancies is primarily determined by the rate of change of human chorionic gonadotropin levels (Kratzer and Taylor). 1990;163:1497-502

Effects of oral contraceptives on carbohydrate and lipid metabolisms in a healthy population: the Telecom Study (Simon et al). 1990;163:382-7 (Supplement)

Effects on bone of surgical menopause and estrogen therapy with or without progesterone replacement in cynomolgus monkeys (Jayo et al). 1990;163:614-8

Luteal insufficiency: correlation between endometrial dating and integrated progesterone output in clomiphene citrate-induced cycles (Hecht et al). 1990;163:1986-91

Prodrugs: Advantage or disadvantage? (Hammerstein). 1990;163:2198-203 (Symposium)

Progesterone increases cardiovascular toxicity to cocaine in nonpregnant ewes (Plessinger and Woods). 1990;163:1659-64

A progesterone-induced blocking factor corrects high resorption rates in mice treated with antiprogesterone (Szekeres-Bartho et al). 1990;163:1320-1

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- Pharmacokinetics of the contraceptive steroids levonorgestrel and gestodene after single and multiple oral administration to women (Kuhnz). 1990;163:2120-7 (Symposium)
- Protein binding of active ingredients and comparison of serum ethinyl estradiol sex hormone-binding globulin, corticosteroid-binding globulin, and cortisol levels in women using a combination of gestodene/ethinyl estradiol (Femovan) or a combination of desogestrel/ethinyl estradiol (Marvelon) and single-dose ethinyl estradiol bioequivalence from both oral contraceptives (Hümpel et al). 1990;163:329-33 (Supplement)
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Role of plasma lipoproteins in the pathogenesis of atherosclerotic disease, with special reference to sex hormone effects (Tikkanen). 1990;163:296-304 (Supplement)

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Effects of ritodrine tocolysis on cardiac isozymes and electrocardiography (Hendricks and Katz) (Letter); (Hadi and Albazzaz) (Reply). 1990;163:699-701

Inhibition of spontaneous uterine contractions during the last trimester in pregnant baboons by an oxytocin antagonist (Wilson et al). 1990;163:1875-82

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- Transabdominal ultrasonography; see Ultrasonic diagnosis**
- Transactions**
- Transactions of the fifty-second annual meeting of the South Atlantic Association of Obstetricians and Gynecologists. 1990;163:1000-88
- Transactions of the tenth annual meeting of the Society of Perinatal Obstetricians. 1990;163:715-999
- Transcervical chorionic villus sampling; see Chorionic villi sampling**
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- Protein binding of active ingredients and comparison of serum ethinyl estradiol sex hormone-binding globulin, corticosteroid-binding globulin, and cortisol levels in women using a combination of gestodene/ethinyl estradiol (Femovan) or a combination of desogestrel/ethinyl estradiol (Marvelon) and single-dose ethinyl estradiol bioequivalence from both oral contraceptives (Hümpel et al). 1990;163:329-33 (Supplement)
- Transforming growth factors**
- Interleukin-1 β , human leukocyte antigen DR1, and transforming growth factor- β expression in endometrium, placenta, and placental membranes (Kauma et al). 1990;163:1430-7
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- Trial of labor**
- Reducing cesarean sections at a teaching hospital (Sanchez-Ramos et al). 1990;163:1081-8
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- Trophoblast**
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- Inhibition of aromatase activity by 8-bromo-cyclic adenosine monophosphate in cultured first-trimester human trophoblast (Rodway et al). 1990;163:1546-51
- Soluble factors produced by isolated first-trimester chorionic villi directly inhibit proliferation of T cells (Silver et al). 1990;163:1914-9
- Trophoblastic tumor**
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- Tumor necrosis factor**
- Proliferative and antiproliferative effects of interferon- γ and tumor necrosis factor- α on cell lines derived from cervical and ovarian malignancies (Mutch et al). 1990;163:1920-4
- Serum levels of interleukin-2 and tumor necrosis factor α in women with recurrent abortion (Mallmann et al). 1990;163:1367 (Letter)
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- Twin-to-twin transfusion; see Fetofetal transfusion**
- Twin transfusion; see Fetofetal transfusion**
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- Fetal Doppler velocimetry in twins (Degani) (Letter); (Divon) (Reply). 1990;163:1100-1
- Infection and labor. VI. Prevalence, microbiology, and clinical significance of intraamniotic infection in twin gestations with preterm labor (Romero et al). 1990;163:757-61
- Prognosis for twins with birth weight <1500 gm: the impact of cesarean section in relation to fetal presentation (Rydhström). 1990;163:528-33
- Prolongation of pregnancy and survival of second twin (Goodlin) (Letter); (Feichtinger) (Reply). 1990;163:270-1
- The stuck twin phenomenon: Ultrasonographic findings, pregnancy outcome, and management with serial amniocenteses (Mahony et al). 1990;163:1513-22
- Twin-twin transfusion syndrome (Urig et al). 1990;163:1522-6
- Twins, monozygotic**
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- Ulcer, vulvar; see Vulvar diseases**
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- Accuracy of apical four-chamber view as screen for congenital heart disease (Stephens). 1990;163:249-50 (Letter)
- Appropriate screening tests (Nagey) (Letter); (Chervenak et al) (Reply). 1990;163:688-9
- Assessment of cerebral hemodynamics in pregnant women by internal carotid artery pulsed Doppler velocimetry (Ikeda and Mori). 1990;163:494-8
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- fetal descending aorta: a longitudinal study (Stale et al). 1990;163:26-9
- Color flow Doppler—a useful instrument in the diagnosis of vasa previa (Harding et al). 1990;163:1566-8
- The diagnostic values of concurrent nonstress testing, amniotic fluid measurement, and Doppler velocimetry in screening a general high-risk population (Devoe et al). 1990;163:1040-8
- Direct ultrasonographic measurement of fetal lung length in normal pregnancies and pregnancies complicated by prolonged rupture of membranes (Roberts and Mitchell). 1990;163:1560-6
- Does the umbilical artery systolic/diastolic ratio reflect flow or acidosis? (Copel et al). 1990;163:751-6
- Ductus arteriosus flow velocity modulation by fetal breathing movements as a measure of fetal lung development (van Eyck et al). 1990;163:558-66
- The effect of nifedipine therapy on fetal and placental Doppler waveforms in preeclampsia remote from term (Moretti et al). 1990;163:1844-8
- Effects of intravascular fetal blood transfusion on fetal intracardiac Doppler velocity waveforms (Rizzo et al). 1990;163:1231-8
- Endometrial assessment by vaginal ultrasonography before endometrial sampling in patients with postmenopausal bleeding (Goldstein et al). 1990;163:119-23
- Ethics and routine ultrasonography in pregnancy (Ewigman et al) (Letter); (Chervenak et al) (Reply). 1990;163:256-8
- Fetal Doppler velocimetry in twins (Degani) (Letter); (Divon) (Reply). 1990;163:1100-1
- Fetal eye movement assessed with real-time ultrasonography: Are there rapid and slow eye movements? (Horimoto et al). 1990;163:1480-4
- Fetal umbilical artery Doppler response to graded maternal aerobic exercise and subsequent maternal mean arterial blood pressure: predictive value for pregnancy-induced hypertension (Hume et al). 1990;163:826-9
- Human fetal foramen ovale flow velocity waveforms relative to behavioral states in normal term pregnancy (van Eyck et al). 1990;163:1239-42
- Hypoxic acidemia, hyperviscosity, and maternal hypertension do not affect the umbilical arterial velocity waveform in fetal sheep (Morrow et al). 1990;163:1313-20
- In utero detection of cardiac failure from an aneurysm of the vein of Galen (Jeanty et al). 1990;163:50-1
- Infants of diabetic mothers with accelerated fetal growth by ultrasonography: Are they all alike? (Keller et al). 1990;163:893-7
- Observations on the cause of oligohydramnios in prolonged pregnancy (Trimmer et al). 1990;163:1900-3
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- Relationship between the ovine fetal umbilical artery blood flow waveform and umbilical vascular resistance (Irion and Clark). 1990;163:222-9
- Reliability of ultrasonographic formulae in the prediction of fetal weight and survival of very-low-birth-weight infants (Mills et al). 1990;163:1568-74
- Screening for trisomy 21 with ultrasonographic determination of biparietal diameter/femur length ratio (Marquette et al). 1990;163:1604-5
- Second-trimester ultrasonography: determinants of visualization of fetal anatomic structures (Catanzarite and Quirk). 1990;163:1191-5
- Spontaneous resolution of a nuchal fetal cystic hygroma diagnosed early in the second trimester of pregnancy (Meizner et al) (Letter); (Bronshstein and Blumenfeld) (Reply). 1990;163:267-9
- Superiority of the four-quadrant sum over the single-deep-pocket technique in ultrasonographic identification of abnormal amniotic fluid volumes (Moore). 1990;163:762-7
- Transabdominal and transvaginal ultrasonography in the diagnosis of ectopic pregnancy: a comparative study (Kivikoski et al). 1990;163:123-8
- Transvaginal ultrasonographic detection of congenital anomalies in the first trimester (Cullen et al). 1990;163:466-76
- Ultrasonographic assessment of intestinal damage in fetuses with gastroschisis: Is it of clinical value? (Lenke et al). 1990;163:995-8
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- Ultrasonographic dating of very early pregnancy (Cadkin and McAlpin-Cadkin). 1990;163:1103 (Letter)
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- Ultrasonographic fetal weight estimation by an integrated computer-assisted system: Can each laboratory improve its accuracy? (Thompson et al). 1990;163:986-95
- Ultrasonographic guidance for central venous access (Greenspoon) (Letter); (Lee) (Reply). 1990;163:252
- Ultrasonography's role in detection of intrauterine synechiae (Stephens) (Letter); (Valle and Sciarra) (Reply). 1990;163:1106-7
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- Variation and correlation in human fetal umbilical Doppler velocities with fetal breathing: evidence of the cardiac-placental connection (Indik and Reed). 1990;163:1792-6

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